

**BOBBY JINDAL**  
GOVERNOR



**HAROLD LEGGETT, PH.D.**  
SECRETARY

**State of Louisiana**  
**DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**ENVIRONMENTAL SERVICES**

Certified Mail No.

Activity No.: PER20070006  
Agency Interest No. 19901

Leland Hansen  
Facility General Manager  
PO Box 598  
Franklin, LA 70538-0598

RE: Part 70 Operating Permit, Canal Plant  
Cabot Corp, Centerville, St. Mary Parish, Louisiana

Dear Mr. Hansen:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the 5th of May, 2011, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

Permit No.: 2660-00004-V2

Sincerely,

Cheryl Sonnier Nolan  
Assistant Secretary  
CSN:dcd  
c: EPA Region VI

**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Canal Plant**  
**Agency Interest No.: 19901**  
**Cabot Corp**  
**Centerville, St. Mary Parish, Louisiana**

**I. Background**

Cabot Corporation's Canal Plant (Cabot Canal Plant), is an existing carbon black manufacturing facility that began operations prior to 1969. The Cabot Canal Plant currently operates under Permit No. 2660-00004-V1, issued March 8, 2007, and a Prevention of Significant Deterioration (PSD) Permit No. PSD-LA-591 (M-1), issued May 5, 2006.

This is the Part 70 operating permit for the facility.

**II. Origin**

A permit application and Emission Inventory Questionnaire were submitted by Cabot Corporation on October 29, 2007 requesting a Part 70 operating permit modification. A revised permit application was submitted on December 16, 2008, which replaced the previously submitted permit application in its entirety. Additional information dated January 17, 2009, and January 21, 2009, was also received.

**III. Description**

The Cabot Canal Plant uses a modular process to convert a carbonaceous feedstock material into various grades of carbon black in an essentially continuous process.

The process begins with the introduction of fuel, oxidants, water and additives into a reaction zone where pyrolysis (cracking) is used to produce carbon black. Supporting utilities are used to maintain these reactants at proper temperatures, pressures, and flows. The reaction is controlled by varying the temperature and fluid mechanics of the process. The carbon black and reaction by-products are then introduced to a primary separation process where gaseous by-products are removed from the carbon black. The gaseous by-products are collected and either combusted or subjected to additional processing. The recovered carbon black is sent to a secondary separation process.

The following controlling parameters are adjusted to produce different grades of carbon black affecting both physical and chemical conditions: rates; introduction methods and location of reactants and additives; temperatures; geometry; fuel/feedstock composition; additives; reaction volume; residence time; and equipment components.

After separation, certain grades are processed further while others are considered to be in their final form and conveyed to storage or packaged for transportation to the customer.

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The recovered black is then conditioned and mixed with water and/or additives for densification. It is then subjected to a product processing and degasification unit where more water and additives may be introduced to achieve the final desired form of carbon black. Some intermittent process venting may occur during normal startup and shutdown and during emergency/upset conditions in order to avoid or alleviate potentially unsafe operating conditions.

The process generates off-gas containing particulates, sulfur dioxide, nitrogen oxides, carbon monoxide, hydrogen sulfide, acetylene and other compounds. Entrained carbon particles are collected from the process stream in baghouses. Carbon black is further processed by either wet or dry processes, packed and stored prior to shipment.

Tail gas from the process is combusted to provide heat for process heaters and dryers. An incinerator (determined as Maximum Achievable Control Technology (MACT)) controls Toxic Air Pollutants (TAPs) in the tail gas such as: hydrogen sulfide ( $H_2S$ ); carbonyl sulfide (COS); carbon disulfide ( $CS_2$ ); and hydrogen cyanide (HCN).

Rubber-grade carbon black and industrial grade carbon black are produced in units CO-3A, CO-3B, CO-5, CO-6, CS-1, and CS-2. Grades of carbon black production are not restricted to particular units. The finished product is conveyed to storage or packaged for transportation to the customer.

With this modification, Cabot proposes to:

- Remove two silo bin vent filters from the Insignificant Activities list, where they were known by the Source ID No. 352 and 353, and add them as permitted sources (EQT 115 and EQT 116).
- Remove the requirement to install and operate a NOx Continuous Emissions Monitoring System (CEMS) for the Combustion Stack (EQT 96) and instead monitor NOx emissions using a NOx Predictive Emissions Monitoring System (PEMS).

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Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM <sub>10</sub>	360.84	361.02	+ 0.18
SO <sub>2</sub>	27101.00	27101.00	-
NO <sub>X</sub>	1823.00	1823.00	-
CO	6774.06	6774.06	-
VOC *	447.05	447.05	-

**\*LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

<u>Pollutant</u>	<u>Emissions</u>
Ammonia	<0.001
Carbon Disulfide	166.69
Carbonyl Sulfide	52.43
Dibutyl Phthalate	0.18
Hexane	0.02
Hydrogen Cyanide	45.12
Hydrogen Sulfide	168.36
Nitric Acid	<0.01
Toluene	0.10
Total	432.90

Other VOC: 14.15

**IV. Type of Review**

This application was reviewed for compliance with the Louisiana Part 70 operating permit program, Louisiana Air Quality Regulations, Prevention of Significant Deterioration (PSD), and NESHAP regulations. NSPS regulations do not apply.

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This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. MACT is determined to be compliance with 40 CFR 63 Subpart SS - National Emission Standards for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process and 40 CFR 63 Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories: Generic Maximum Achievable Control Technology Standards.

**V. Credible Evidence**

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

**VI. Public Notice**

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 200X; and in the <local paper>, <local town>, on <date>, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

**VII. Effects on Ambient Air**

Emissions associated with the proposed modification were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

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**VIII. General Condition XVII Activities**

Work Activity	Schedule	PM <sub>10</sub>	Emission Rates - tons			VOC
			SO <sub>2</sub>	NO <sub>X</sub>	CO	
Filter/Scrubber Shutdown and Troubleshooting	52 events/year	2.01	-	-	-	-

**IX. Insignificant Activities**

ID No.:	Description	Citation
03S	CS-2 Natural Gas Oil Heater	LAC 33:III.501.B.5.A.1
069	Special Blacks Pelletizer Water Heater, 2.6 MM BTU/hr	LAC 33:III.501.B.5.A.1
1A3	API Used Oil Tank, 1058 gal	LAC 33:III.501.B.5.A.3
2A3	Diesel Tank, 510 gal	LAC 33:III.501.B.5.A.3
A4	Inorganic Binding Process Additives	LAC 33:III.501.B.5.A.4
A6	Laboratory equipment and vents	LAC 33:III.501.B.5.A.6
D1	Temporary Natural Gas Fired Engines*	LAC 33:III.501.B.5.D
D2	Temporary Natural Diesel Fired Engines*	LAC 33:III.501.B.5.D
710	Emergency Combustion Air Blower*	LAC 33:III.501.B.5.D
711	Emergency Fire Pump*	LAC 33:III.501.B.5.D
712	COF UPS Generator*	LAC 33:III.501.B.5.D
713	Emergency Sluice Gate Pump	LAC 33:III.501.B.5.D
NGP	Natural Gas Driven Pumps	LAC 33:III.501.B.5.D
N/A	CS-1 Emergency Quench Pump (natural gas fired)	LAC 33:III.501.B.5.D

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ID No.:	Description	Citation
N/A	North Special Blacks Emergency Cooling Water Pump (natural gas fired)	LAC 33:III.501.B.5.D
N/A	South Special Blacks Emergency Cooling Water Pump (natural gas fired)	LAC 33:III.501.B.5.D
N/A	North Rubber Blacks Emergency Cooling Water Pump (natural gas fired)	LAC 33:III.501.B.5.D
N/A	South Rubber Blacks Emergency Cooling Water Pump (natural gas fired)	LAC 33:III.501.B.5.D
N/A	Air Motor for North Emergency Oil Pump (natural gas fired)	LAC 33:III.501.B.5.D
N/A	Air Motor for Middle Emergency Oil Pump (natural gas fired)	LAC 33:III.501.B.5.D
N/A	Air Motor for South Emergency Oil Pump (natural gas fired)	LAC 33:III.501.B.5.D
N/A	External combustion equipment <1 MM BTU/hr (hot water heaters for building bathrooms, bathhouses, kitchens and break rooms)	LAC 33:III.501.B.5.A.5
N/A	Water washing of empty drums	LAC 33:III.501.B.5.A.7
N/A	Three (3) Portable Diesel pumps (0.47 MMBTU/hr each)	LAC 33:III.501.B.5.D

\*These items currently qualify as insignificant activities. Any replacement of these items by new engines that are affected sources under either NSPS IIII or JJJJ will require a permit modification and a removal of the sources from the insignificant activities list.

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**X. Table I. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III.Chapter																	
		5	9	11	13	15	2103	2104*	2107	2111	2115	2116*	2113	22	29*	51*	53	56	59
UNF 1	Entire Facility	1	1	1										1	1	1	1	1	2
EQT 8	004-Main Unit Filter, Unit CS-1			1	1	3													
EQT 11	001-CO-3B Main Unit Filter Vent			1	1	3													
EQT 12	002-CO-5 Main Unit Heat Load Vent			1	1	3													
EQT 13	003-C-6 Main Unit Filter Vent			1	1	3													
EQT 14	006-CO-3A Process Filter	1			1	3								1	1				
EQT 15	007-CO-3B Process Filter	1			1	3								1	1				
EQT 16	008-CO-5 Process Filter	1			1	3								1	1				
EQT 17	009-CO-6 Process Filter	1			1	3								1	1				
EQT 18	010-CS-1/CS-2 Process Filter	1			1	3								1	1				
EQT 19	01S-VS-4 Packing Vacuum Filter	1			1														
EQT 22	052-CS-2 Main Unit Filter Vent			1	1	3													
EQT 23	05B-CO-3A Main Unit Filter Vent			1	1	3													
EQT 24	062-CS-2 Unit Dryer			1	1	3													
EQT 26	076-CS-2 Fluffy Process Vac. Filter	1				1													
EQT 27	079-Boiler, Barge Dock					1	1	3											
EQT 28	082-S.B. Hopper Car Vac. Sys. Filter	1				1													

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ID No.:	Description	LAC 33:III.Chapter																
		5	9	11	13	15	2103	2104*	2107	2111	2115	2116*	2113	22	29*	51*	53	56
EQT 29	083-CS-2 Purge Gas Filter	1		1	3											1		
EQT 30	084-CO-3A Purge Gas Filter		1		1	3									1			
EQT 31	086-CO-3B Purge Gas Filter	1		1	3										1			
EQT 32	101-VO-1 Bin Vent Filter	1		1														
EQT 33	102-VO-2 Bin Vent Filter		1		1													
EQT 34	103-VO-3 Bin Vent Filter	1		1														
EQT 35	104-VO-4 Bin Vent Filter		1		1													
EQT 36	10S-CS-2 Fluffy Packer Vac. Filter	1		1														
EQT 37	110-VS-1 Bin Vent Filter	1		1														
EQT 38	120-VS-2 Bin Vent Filter		1		1													
EQT 39	130-VS-3 Dust Filter	1		1														
EQT 40	135-Silo 5 Bin Vent Filter	1		1														
EQT 41	136-Silo 5 Bin Vent Filter	1		1														
EQT 42	152-CO-6 East Purge Gas Filter		1		1	3									1			
EQT 43	153-CO-6 West Purge Gas Filter	1		1	3										1			
EQT 44	154-C-7 Main Unit Filter Vent	1	1	1	3													
EQT 45	155-C-7 Process Filter		1		1	3									1			
EQT 46	158-C-7 East Purge Gas Filter	1		1	3										1			

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ID No.:	Description	LAC 33:III.Chapter																	
		5	9	11	13	15	2103	2104*	2107	2111	2115	2116*	2113	22	29*	51*	53	56	59
EQT 47	159-C-7 West Purge Gas Filter	1		1	1	3												1	
EQT 48	160-C-7 Reactor Vent Scrubber			1	1	3													
EQT 50	201-No. 1 Oil Tank Vent					2													
EQT 51	202-No. 2 Oil Tank Vent						2												
EQT 52	203-No. 3 Oil Tank Vent							2											
EQT 53	204-No. 4 Oil Tank Vent								2										
EQT 54	205-No. 5 Oil Tank Vent									2									
EQT 55	210-#1 Day Run Tank Vent										2								
EQT 56	211-#2 Day Run Tank Vent											2							
EQT 57	212-#3 Day Run Tank Vent												2						
EQT 58	215-Ink Oil Tank #1												2						
EQT 59	216-Ink Oil Tank #2													2					
EQT 60	217-Ink Oil Tank #3													2					
EQT 62	302-CS-1 &CS-2 Reactor Vent Scrbbr.			1	1	3													
EQT 63	303-CS-3A&CS3B Rctr Vent Scrbbr.			1	1	3													
EQT 64	305-CO-5 Reactor Vent Scrubber			1	1	3													
EQT 65	306-CO-6 Reactor Vent Scrubber			1	1	3													
EQT 67	600-CS-1 Off Quality Tank	1		1															

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ID No.:	Description	LAC 33.III.Chapter																
		5	9	11	13	15	2103	2104*	2107	2111	2115	2116*	2113	22	29*	51*	53	56
EQT 68	610-C-7 Off Quality Tank	1																
EQT 69	611-C-7 Storage Tank Bin Vent Filter	1																
EQT 70	612-CO-8 Off Quality Tank	1																
EQT 71	615-CO-3B Off Quality Tank	1																
EQT 72	616-VO-2 Storage Tank	1																
EQT 73	617-VO-1 Storage Tank	1																
EQT 74	618-Silo 1 Bin Vent Filter	1																
EQT 75	619-VS-4 Bin Vent Filter	1																
EQT 76	620-CO-3A Off Quality Tank	1																
EQT 77	621-CO-5 Off Quality Tank	1																
EQT 78	622-CS-2 Off Quality Tank	1																
EQT 79	6SA-CS Dual Grade Tank Filter VS-6	1																
EQT 80	6SA-CS Dual Grade Tank Filter VS-7	1																
EQT 84	72A-CO-5 East Purge Gas Filter	1													1			
EQT 85	72B-CO-5 West Purge Gas Filter	1													1			
EQT 86	81A-North Action Vacuum Sys. Filter	1																1
EQT 87	81B-South Action Vacuum Sys. Filter	1																1
EQT 88	950-Gasoline Strg. Tank-Vehicle Use													1				

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ID No.:	Description	LAC 33:III.Chapter																
		5	9	11	13	15	2103	2104*	2107	2111	2115	2116*	2113	22	29*	51*	53	56
EQT 89	951-Gasoline Strg. Tank-Contr. Use							1										
EQT 94	FGC-Shutdown/Startup/Sampling					1	1	3										1
EQT 96	999-Combusted Tail Gas Stack	1	1	1	1	1											1	
EQT103	961 – T1 Bin Vent																	
EQT104	962 – T2 Bin Vent																	
EQT105	963 – T3 Bin Vent																	
EQT106	964 – T4 Bin Vent																	
EQT107	965 – Pellet Feed Tank Bin Vent																	
EQT108	966 – Grinding Station Process Filter																	
EQT 115	352 – Silo 2 Bin Vent Filter	1																
EQT 116	353 – Silo 3 Bin Vent Filter	1																
FUG 01	400-Plantwide Fugitives										1	3					1	

\* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

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**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR					
		A	K	Ka	Kb	Db	Dc	GG	A	M	A	SS	YY	ZZZZ	52	59	68	72	82						
UNF 1	Entire Facility								1	1	1	1	1	1	1	1	1	1	1						
EQT 8	004-Main Unit Filter, Unit CS-1														1										
EQT 11	001-CO-3B Main Unit Filter Vent														1										
EQT 12	002 -CO-5 Main Unit Heat Load Vent														1										
EQT 13	003-C-6 Main Unit Filter Vent														1										
EQT 14	006-CO-3A Process Filter																								
EQT 15	007-CO-3B Process Filter																								
EQT 16	008-CO-5 Process Filter																								
EQT 17	009-CO-6 Process Filter																								
EQT 18	010-CS-1/CS-2 Process Filter																								
EQT 19	01S-VS-4 Packing Vacuum Filter																								
EQT 22	052-CS-2 Main Unit Filter Vent																			1					
EQT 23	05B-CO-3A Main Unit Filter Vent																			1					
EQT 24	062-CS-2 Unit Dryer																								
EQT 26	076-CS-2 Fluffy Process Vac. Filter																								

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		A	K	Ka	Kb	Db	Dc	GG	A	M	A	SS	YY	ZZZZ	S2	S9	S8	S7	S2	S82						
EQT 27	079-Boiler, Barge Dock																									
EQT 28	082-S.B. Hopper Car Vac. Sys. Filter																									
EQT 29	083-CS-2 Purge Gas Filter																									
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EQT 32	101-VO-1 Bin Vent Filter																									
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ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR					
		A	K	Ka	Kb	Db	Dc	GG	A	M	A	SS	YY	ZZZZ	S2	S9	S8	S72	S68	S72	S82				
EQT 43	153-CO-6 West Purge Gas Filter																								
EQT 44	154-C-7 Main Unit Filter Vent																								
EQT 45	155-C-7 Process Filter																								
EQT 46	158-C-7 East Purge Gas Filter																								
EQT 47	159-C-7 West Purge Gas Filter																								
EQT 48	160-C-7 Reactor Vent Scrubber																								
EQT 50	201-No. 1 Oil Tank Vent																								
EQT 51	202-No. 2 Oil Tank Vent																								
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ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR					
		A	K	Ka	Kb	Db	Dc	GG	A	M	A	SS	YY	ZZZZ	S2	S9	S8	S7	S2	S8	S7	S2			
EQT 60	217-Ink Oil Tank #3																								
EQT 62	302-CS-1&CS-2 Reactor Vent Scrubber.																								
EQT 63	303-CS-3A&CS-3B Rctr Vent Scrubber.																								
EQT 64	305-CO-5 Reactor Vent Scrubber																								
EQT 65	306-CO-6 Reactor Vent Scrubber																								
EQT 67	600-CS-1 Off Quality Tank																								
EQT 68	610-C-7 Off Quality Tank																								
EQT 69	611-C-7 Storage Tank Bin Vent Filter																								
EQT 70	612-CO-8 Off Quality Tank																								
EQT 71	615-CO-3B Off Quality Tank																								
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**Cabot Corp**

**Centerville, St. Mary Parish, Louisiana**

**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR					
		A	K	Ka	Kb	Db	Dc	GG	A	M	A	SS	YY	ZZZZ	S2	S9	S8	S72	S68	S52	S59	S68	S72	S82	
EQT 78	622-CS-2 Off Quality Tank																								
EQT 79	6SA-CS Dual Grade Tank Filter VS-6																								
EQT 80	6SA-CS Dual Grade Tank Filter VS-7																								
EQT 84	72A-CO-5 East Purge Gas Filter																								
EQT 85	72B-CO-5 West Purge Gas Filter																								
EQT 86	81A-North Action Vacuum Sys. Filter																								
EQT 87	81B-South Action Vacuum Sys. Filter																								
EQT 88	950-Gasoline Strg. Tank-Veh. Use	2																							
EQT 89	951-Gasoline Strg. Tank-Contr. Use	2																							
EQT 94	FGC-Shutdown/Startup/Sampling																								
EQT 96	999-Combusted Tail Gas Stack																								
EQT 103	961 - T1 Bin Vent																								
EQT 104	962 - T2 Bin Vent																								
EQT 105	963 - T3 Bin Vent																								
EQT 106	964 - T4 Bin Vent																								
EQT 107	965 - Pellet Feed Tank Bin Vent																								
EQT 108	966 - Grinding Station Process Filter																								

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Cabot Corp - Canal Plant  
Agency Interest No.: 19901  
Cabot Corp  
Centerville, St. Mary Parish, Louisiana

X. **Table I.** Applicable Louisiana and Federal Air Quality Requirements

KEY MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
  - 2 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
  - 3 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
  - 4 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

**Blank** - The regulations clearly do not apply to this type of emission source.

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Cabot Corp - Canal Plant  
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**XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
EQT 8.11-13,22,23,24,27,44,48,62-65,96	Emission Standards for Particulate Matter [LAC 33:III.1311.B]	DOES NOT APPLY. The burning of fuel for indirect heating where products of combustion do not come into contact with process materials is not subject to this section.
EQT 24,27	Emission Standards for Particulate Matter [LAC 33:III.1311.C]	DOES NOT APPLY. The burning of fuel for indirect heating where products of combustion do not come into contact with process materials is not subject to this section.
EQT 8.11-13,22,23,44,48,62-65	Emission Standards for Particulate Matter [LAC 33:III.1313.C]	DOES NOT APPLY. Reactor (source controlled by filters and scrubbers) does not meet the definition of fuel burning equipment.
EQT 8.11-13,14-18,27,29-31,22,23,24,42-48,62-65,84,85,94 FUG 01	Emission Limitations for Sulfur Dioxide [LAC 33:III.1503.C]	EXEMPT. Units emit less than 5 tons of SO <sub>2</sub> per year. [LAC 33:III.1502.A.3]
EQT 58-60	Control of Emission of Organic Compounds – Storage of VOCs [LAC 33:III.2103.A]	DOES NOT APPLY. The maximum true vapor pressure of stored liquid is <1.5 psia.

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Cabot Corp - Canal Plant  
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**XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
EQT 50-57	Control of Emission of Organic Compounds – Storage of VOCs [LAC 33.III.2103.B]	DOES NOT APPLY. The maximum true vapor pressure of stored liquid is <1.5 psia.
Entire Facility	Chemical Accident Prevention and Minimization of Consequences. [LAC 33.III. Chapter 59]	DOES NOT APPLY. There are no chemicals above the threshold quantity.
EQT 27	Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units [40 CFR 60, Subpart Dc]	DOES NOT APPLY. The Barge Dock Boiler was constructed prior to June 9, 1989.
EQT 27, 50-60, 88,89	New Source Performance Standards (NSPS) General Provisions [40 CFR 60.1 through 60.20]	DOES NOT APPLY. These sources are not affected NSPS stationary sources subject to the provisions of this subpart.
EQT 50-60	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110(b)]	DOES NOT APPLY. No construction /reconstruction/modification since July 23, 1984. Tanks contain liquids with true vapor pressures <1.5 psia.
EQT 88,89	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.116b(b)]	DOES NOT APPLY. Volume of vessels are <19,800 gallons (<75 m <sup>3</sup> ).
Entire Facility	Chemical Accident Prevention Provisions [40 CFR 68]	DOES NOT APPLY. There are no chemicals above the threshold quantity.

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The above table provides explanation for either the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

## 40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
  1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

## 40 CFR PART 70 GENERAL CONDITIONS

2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
  3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
  4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.  
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
  2. the date(s) analyses were performed;
  3. the company or entity that performed the analyses;
  4. the analytical techniques or methods used;
  5. the results of such analyses; and
  6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

## 40 CFR PART 70 GENERAL CONDITIONS

- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
  1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
  2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
  3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;

## **40 CFR PART 70 GENERAL CONDITIONS**

4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
  5. changes in emissions would not qualify as a significant modification; and
  6. the request is submitted no later than 12 months after commencing operation. [LAC 33.III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
  2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
  3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
    - a. Report by June 30 to cover January through March
    - b. Report by September 30 to cover April through June
    - c. Report by December 31 to cover July through September
    - d. Report by March 31 to cover October through December
  4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]

## 40 CFR PART 70 GENERAL CONDITIONS

- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
  1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
  2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
  3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
  4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
  5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
  6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]
- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

**LOUISIANA AIR EMISSION PERMIT  
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- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated October 29, 2007, a revised permit application dated December 16, 2008, and additional information dated January 17, 2009, and January 21, 2009.
- IV. This permit shall become invalid, for the sources not constructed, if:
  - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
  - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.  
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

**LOUISIANA AIR EMISSION PERMIT  
GENERAL CONDITIONS**

- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.
- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
  - A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
  - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

**LOUISIANA AIR EMISSION PERMIT  
GENERAL CONDITIONS**

- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
  - 1. Report by June 30 to cover January through March
  - 2. Report by September 30 to cover April through June
  - 3. Report by December 31 to cover July through September
  - 4. Report by March 31 to cover October through December
- D. Each report submitted in accordance with this condition shall contain the following information:
  - 1. Description of noncomplying emission(s);
  - 2. Cause of noncompliance;
  - 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
  - 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
  - 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.

XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:

- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
- B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
- C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
- D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

**LOUISIANA AIR EMISSION PERMIT  
GENERAL CONDITIONS**

- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services in accordance with LAC 33:I.Chapter 19.Facility Name and Ownership/Operator Changes Process.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
  2. Be less than the minimum emission rate (MER)
  3. Be scheduled daily, weekly, monthly, etc., or
  4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]
- These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.
- XVIII. Provisions of the permit may be appealed to the secretary in writing pursuant to La. R.S. 30:2024(A) within 30 days from notice of the permit action. A request may be made to the secretary to suspend those provisions of the permit specifically appealed. The permit remains in effect to the extent that the secretary or assistant secretary does not elect to suspend the appealed provisions as requested or, at his discretion, other permit provisions as well. Construction cannot proceed, except as specifically approved by the secretary or

## **LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS**

assistant secretary, until a final decision has been rendered on the appeal. A request for hearing must be sent to the Office of the Secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division  
La. Dept. of Environmental Quality  
Post Office Box 4302  
Baton Rouge, Louisiana 70821-4302

- XIX. For Part 70 sources, certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions:

## General Information

AI ID: 19901 Cabot Corp - Canal Plant  
 Activity Number: PER20070006  
 Permit Number: 2660-00004-V2  
 Air - Title V Regular Permit Minor Mod

Also Known As:	ID	Name	User Group	Start Date
	2660-00004	Cabot Corp - Canal Plant	CDS Number	08-05-2002
04-2771897		Cabot Corp - Canal Plant	Federal Tax ID	11-21-1999
LADD08157653		Cabot Corp - Canal Plant	Hazardous Waste Notification	11-07-1983
LA0001082		LPDES #	LPDES Permit #	06-25-2003
LARD5M510		LPDES #	LPDES Permit #	05-22-2003
WP1003		LWDPS #	LWDPS Permit #	06-25-2003
GL-067		Radiation General License	Priority 1 Emergency Site	06-01-2006
7991		X-Ray Registration Number	Radiation License Number	12-22-2000
GP-101-1590		Site ID #	Radiation X-ray Registration Number	11-21-1999
20112		Cabot Corp - Canal Plant	Solid Waste Facility No.	07-24-2001
40892		Cabot Corp - Canal Plant	TEMPO Merge	03-22-2001
70583CBTCRSTATE		TRI #	TEMPO Merge	07-09-2004
51016074		UST Facility ID (from UST legacy data)	Toxic Release Inventory	10-12-2002
			UST FID #	
Physical Location:			Main FAX:	3378362339
			Main Phone:	3378362283
Mailing Address:	PO Box 598 Franklin, LA 705380598			
Location of Front Gate:	29° 41' 15" latitude, 91° 28' 15" longitude, Coordinate Method: Lat Long - DMS, Coordinate Datum: NAD83			
Related People:	Name	Mailing Address	Phone (Type)	Relationship
Anaxis Duhan	PO Box 598 Franklin, LA 705380598	3378362233 (WP)	Radiation Contact For	
Anaxis Duhan	PO Box 598 Franklin, LA 705380598	3378362239 (WF)	Radiation Contact For	
Leland Hansen	PO Box 598 Franklin, LA 705380598	leland_hansen@cab	Responsible Official for	
Leland Hansen	PO Box 598 Franklin, LA 705380598	3378362212 (WP)	Responsible Official for	
Larry Tropea	PO Box 598 Franklin, LA 705380598	3378362233 (WP)	Underground Storage Tank Contact for	
Larry Tropea	PO Box 598 Franklin, LA 705380598	ANITA_JUNKER@C	Underground Storage Tank Contact for	
Larry Tropea	PO Box 598 Franklin, LA 705380598	ANITA_JUNKER@C	Haz. Waste Billing Party for	
Larry Tropea	PO Box 598 Franklin, LA 705380598	3378362233 (WP)	Water Billing Party for	
Larry Tropea	PO Box 598 Franklin, LA 705380598	ANITA_JUNKER@C	Water Billing Party for	
Larry Tropea	PO Box 598 Franklin, LA 705380598	ANITA_JUNKER@C	Emission Inventory Contact for	
Larry Tropea	PO Box 598 Franklin, LA 705380598	3378362233 (WP)	Emission Inventory Contact for	
Larry Tropea	PO Box 598 Franklin, LA 705380598	ANITA_JUNKER@C	Water Permit Contact For	

### General Information

**AI ID:** 19901 Cabot Corp - Canal Plant  
**Activity Number:** PER20070006  
**Permit Number:** 2660-00004-V2  
**Air - Title V Regular Permit Minor Mod**

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Larry Tropea	PO Box 598 Franklin, LA 705380598	3378362233 (WP)	Water Permit Contact For
	Larry Tropea	PO Box 598 Franklin, LA 705380598	3378362233 (WP)	Haz. Waste Billing Party for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Cabot Corp	PO Box 598 Franklin, LA 705380598		Operates
	Cabot Corp	PO Box 598 Franklin, LA 705380598		Owns
	Cabot Corp	PO Box 598 Franklin, LA 705380598		Radiation Registration Billing Party for
	Cabot Corp	PO Box 598 Franklin, LA 705380598		Emission Inventory Billing Party
	Cabot Corp	PO Box 598 Franklin, LA 705380598		Radiation License Billing Party for
	Cabot Corp	PO Box 598 Franklin, LA 705380598		UST Billing Party for
	Cabot Corp	PO Box 598 Franklin, LA 705380598		Air Billing Party for
NAIC Codes:	325182, Carbon Black Manufacturing			

**Note:** This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-0775 or email your changes to facupdate@la.gov.

**INVENTORIES**

AI ID: 19901 - Cabot Corp - Canal Plant  
 Activity Number: PER20070006  
 Permit Number: 2660-00004-V2  
**Air - Title V Regular Permit Minor Mod**

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
<b>Entire Facility</b>						
EQT 0008	004 - Main Unit Filter, Unit CS-1		16.8 MM BTU/hr	15.29 MM BTU/hr		1716 hr/yr
EQT 0011	001 - CO-3B Main Unit Filter Heat Load Vent		20.6 MM BTU/hr	18.75 MM BTU/hr		1040 hr/yr
EQT 0012	002 - CO-5 Main Unit Heat Load Vent		41.3 MM BTU/hr	37.58 MM BTU/hr		624 hr/yr
EQT 0013	003 - C-6 Main Unit Filter Heat Load Vent		41.3 MM BTU/hr	37.58 MM BTU/hr		416 hr/yr
EQT 0014	006 - CO-3A Process Filter		3750 ft <sup>3</sup> /min (actual)	3750 ft <sup>3</sup> /min (actual)		8760 hr/yr
EQT 0015	007 - CO-3B Process Filter		4167 ft <sup>3</sup> /min (actual)	4167 ft <sup>3</sup> /min (actual)		8760 hr/yr
EQT 0016	008 - CO-5 Process Filter		5000 ft <sup>3</sup> /min (actual)	5000 ft <sup>3</sup> /min (actual)		8760 hr/yr
EQT 0017	009 - CO-6 Process Filter		5833 ft <sup>3</sup> /min (actual)	5833 ft <sup>3</sup> /min (actual)		8760 hr/yr
EQT 0018	010 - CS-1/CS-2 Process Filter		7500 ft <sup>3</sup> /min (actual)	7500 ft <sup>3</sup> /min (actual)		8760 hr/yr
EQT 0019	01S - VS-4 Packing Vacuum System Filter		1340 ft <sup>3</sup> /min (actual)			8760 hr/yr
EQT 0022	052 - CS-2 Main Unit Filter Heat Load Vent		36.3 MM BTU/hr	32.67 MM BTU/hr		728 hr/yr
EQT 0023	05B - CO-3A Main Unit Filter Heat Load Vent		20.6 MM BTU/hr	18.54 MM BTU/hr		468 hr/yr
EQT 0024	062 - CS-2 Unit Drier		14 MM BTU/hr	12.6 MM BTU/hr		8760 hr/yr
EQT 0026	076 - CS-2 Fluffy Packer Vacuum System Filter		2667 ft <sup>3</sup> /min (actual)	2667 ft <sup>3</sup> /min (actual)		4992 hr/yr
EQT 0027	079 - Boiler- Barge Dock		14 MM BTU/hr	12.74 MM BTU/hr		2808 hr/yr
EQT 0028	082 - S.B. Hopper Car Vacuum System Filter		3834 ft <sup>3</sup> /min (actual)			8760 hr/yr
EQT 0029	083 - CS-2 Purge Gas Filter		4000 ft <sup>3</sup> /min (actual)	4000 ft <sup>3</sup> /min (actual)		8760 hr/yr
EQT 0030	084 - CO-3A Purge Gas Filter		6284 ft <sup>3</sup> /min (actual)	6284 ft <sup>3</sup> /min (actual)		8760 hr/yr
EQT 0031	086 - CO-3B Purge Gas Filter		6284 ft <sup>3</sup> /min (actual)	6284 ft <sup>3</sup> /min (actual)		8760 hr/yr
EQT 0032	101 - VO-1 Bin Vent Filter		1000 ft <sup>3</sup> /min (actual)			8760 hr/yr
EQT 0033	102 - VO-2 Bin Vent Filter		1000 ft <sup>3</sup> /min (actual)			8760 hr/yr
EQT 0034	103 - VO-3 Bin Vent Filter		1000 ft <sup>3</sup> /min (actual)			8760 hr/yr
EQT 0035	104 - VO-4 Bin Vent Filter		1000 ft <sup>3</sup> /min (actual)			8760 hr/yr
EQT 0036	10S - CS-2 Fluffy Packer Vacuum System Filter		3000 ft <sup>3</sup> /min (actual)			8760 hr/yr
EQT 0037	110 - VS-1 Bin Vent Filter		1000 ft <sup>3</sup> /min (actual)			8760 hr/yr
EQT 0038	120 - VS-2 Bin Vent Filter		1000 ft <sup>3</sup> /min (actual)			8760 hr/yr
EQT 0039	130 - VS-3 Dust Filter		7270 ft <sup>3</sup> /min (actual)	7270 ft <sup>3</sup> /min (actual)		8760 hr/yr
EQT 0040	135 - Silo 5 Bin Vent Filter (West)		1000 ft <sup>3</sup> /min (actual)			8760 hr/yr
EQT 0041	136 - Silo 5 Bin Vent Filter (East)		1000 ft <sup>3</sup> /min (actual)			8760 hr/yr
EQT 0042	152 - CO-6 East Purge Gas Filter		6284 ft <sup>3</sup> /min (actual)	6284 ft <sup>3</sup> /min (actual)		8760 hr/yr
EQT 0043	153 - CO-6 West Purge Gas Filter		6284 ft <sup>3</sup> /min (actual)	6284 ft <sup>3</sup> /min (actual)		8760 hr/yr
EQT 0044	154 - C-7 Main Unit Filter Heat Load Vent		41.3 MM BTU/hr	37.58 MM BTU/hr		416 hr/yr
EQT 0045	155 - C-7 Process Filter		5834 ft <sup>3</sup> /min (actual)	5834 ft <sup>3</sup> /min (actual)		8760 hr/yr
EQT 0046	158 - C-7 East Purge Gas Filter		6284 ft <sup>3</sup> /min (actual)	6284 ft <sup>3</sup> /min (actual)		8760 hr/yr
EQT 0047	159 - C-7 West Purge Gas Filter		6284 ft <sup>3</sup> /min (actual)	6284 ft <sup>3</sup> /min (actual)		416 hr/yr
EQT 0048	160 - C-7 Reactor Vent Scrubber		41.3 MM BTU/hr	41.3 MM BTU/hr		8760 hr/yr
EQT 0050	201 - No. 1 Oil Tank Vent	1.26 million gallons				8760 hr/yr
EQT 0051	202 - No. 2 Oil Tank Vent	1.26 million gallons				8760 hr/yr

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**INVENTORIES**

AI ID: 19901 - Cabot Corp - Canal Plant  
 Activity Number: PER20070006  
 Permit Number: 2660-00004-V2  
**Air - Title V Regular Permit Minor Mod**

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
<b>Entire Facility</b>						
EQT 0052	203 - No. 3 Oil Tank Vent	1.26 million gallons				8760 hr/yr
EQT 0053	204 - No. 4 Oil Tank Vent	1.26 million gallons				8760 hr/yr
EQT 0054	205 - No. 5 Oil Tank Vent	1.89 million gallons				8760 hr/yr
EQT 0055	210 - #1 Day Run Tank Vent	63000 gallons				8760 hr/yr
EQT 0056	211 - #2 Day Run Tank Vent	63000 gallons				8760 hr/yr
EQT 0057	212 - #3 Day Run Tank Vent	63000 gallons				8760 hr/yr
EQT 0058	215 - Ink Oil Tank #1	10500 gallons				8760 hr/yr
EQT 0059	216 - Ink Oil Tank #2	10500 gallons				8760 hr/yr
EQT 0060	217 - Ink Oil Tank #3	10500 gallons				8760 hr/yr
EQT 0062	302 - CS-1&CS-2 Reactor Vent Scrubber		41 MM BTU/hr	41 MM BTU/hr		1040 hr/yr
EQT 0063	303 - CS-3A & CS-3B Reactor Vent Scrubber		41.3 MM BTU/hr	41.3 MM BTU/hr		1456 hr/yr
EQT 0064	305 - CO-5 Reactor Vent Scrubber		41.3 MM BTU/hr	41.3 MM BTU/hr		624 hr/yr
EQT 0065	306 - CO-6 Reactor Vent Scrubber		41.3 MM BTU/hr	41.3 MM BTU/hr		416 hr/yr
EQT 0067	600 - CS-1 Off Quality Tank	15000 gallons				1144 hr/yr
EQT 0068	610 - C-7 Off Quality Tank	26000 gallons				520 hr/yr
EQT 0069	611 - C-7 Storage Tank Bin Vent Filter		1000 SCFM			2496 hr/yr
EQT 0070	612 - CO-6 Off Quality Tank	26000 gallons				520 hr/yr
EQT 0071	615 - CO-3B Off Quality Tank	15000 gallons				1040 hr/yr
EQT 0072	616 - VO-2 Storage Tank	74800 gallons				936 hr/yr
EQT 0073	617 - VO-1 Storage Tank	74800 gallons				8760 hr/yr
EQT 0074	618 - Skid 1 Bin Vent Filter		1000 SCFM			8760 hr/yr
EQT 0075	619 - VS-4 Bin Vent Filter		1000 SCFM			1040 hr/yr
EQT 0076	620 - CO-3A Off Quality Tank	21000 gallons				1040 hr/yr
EQT 0077	621 - CO-5 Off Quality Tank	26000 gallons				1144 hr/yr
EQT 0078	622 - CS-2 Off Quality Tank	21000 gallons				8760 hr/yr
EQT 0079	6SA - CS Dual Grade Tank Bin Vent Filter (West) VS-6	45000 gallons				8760 hr/yr
EQT 0080	6SB - CS Dual Grade Tank Bin Vent Filter (East) VS-7	45000 gallons		1000 ft^3/min		8760 hr/yr
EQT 0084	72A - CO-5 East Purge Gas Filter		6284 ft^3/min (actual)			8760 hr/yr
EQT 0085	72B - CO-5 West Purge Gas Filter		6284 ft^3/min (actual)			8760 hr/yr
EQT 0086	81A - North Action Vacuum System Filter		8000 ft^3/min (actual)	8000 ft^3/min (actual)		8760 hr/yr
EQT 0087	81B - South Action Vacuum System Filter		8000 ft^3/min (actual)	8000 ft^3/min (actual)		8760 hr/yr
EQT 0088	950 - Gasoline Storage Tank - Vehicle Use	1100 gallons				8760 hr/yr
EQT 0089	951 - Gasoline Storage Tank - Contractor Use	550 gallons				8760 hr/yr
EQT 0094	FGC - Shutdown/Startup/Sampling					8760 hr/yr
EQT 0096	999 - Combusted Tail Gas Stack		8.3 MM scf/hr			8760 hr/yr

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**INVENTORIES**

AI ID: 19901 - Cabot Corp - Canal Plant  
 Activity Number: PER20070006  
 Permit Number: 2660-00004-V2  
 Air - Title V Regular Permit Minor Mod

## Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
<b>Entire Facility</b>						
EQT0103	961 - T1 Bin Vent		134 SCFM			8760 hr/yr
EQT0104	962 - T2 Bin Vent		134 SCFM			8760 hr/yr
EQT0105	963 - T3 Bin Vent		95 SCFM			8760 hr/yr
EQT0106	964 - T4 Bin Vent		95 SCFM			8760 hr/yr
EQT0107	1965 - Pellet Feed Tank Bin Vent		134 SCFM			8760 hr/yr
EQT0108	1966 - Grinding Station Process Filter		11444 SCFM			8760 hr/yr
EQT0115	352 - Silo 2 Bin Vent Filter		9 SCFM			8760 hr/yr
EQT0116	353 - Silo 3 Bin Vent Filter		9 SCFM			8760 hr/yr
FUG0001	400 - Plantwide Fugitives					8760 hr/yr

## Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
<b>Entire Facility</b>							
EQT0008	004 - Main Unit Filter, Unit CS-1	51.22	32450	3.67		114	425
EQT0011	001 - CO-3B Main Unit Filter Heat Load Vent	52.09	33000	3.67		99	450
EQT0012	002 - CO-5 Main Unit Heat Load Vent	130.3	82550	3.67		100	450
EQT0013	003 - C-6 Main Unit Filter Heat Load Vent	130.3	82550	3.67		101	425
EQT0014	006 - CO-3A Process Filter	57	3750	1.2		90	215
EQT0015	007 - CO-3B Process Filter	57	4167	1.2		86	215
EQT0016	008 - CO-5 Process Filter	57	5000	1.5		114	215
EQT0017	009 - CO-6 Process Filter	57	5833	1.5		105	215
EQT0018	010 - CS-1/CS-2 Process Filter	38.79	7500	2		92	215
EQT0019	01S - VS-4 Packing Vacuum System Filter	14.37	1340	1.41		100	120
EQT0022	052 - CS-2 Main Unit Filter Heat Load Vent	35.41	22436.7	3.67		114	425
EQT0023	05B - CO-3A Main Unit Filter Heat Load Vent	52.11	33014.7	3.67		99	450
EQT0024	062 - CS-2 Unit Dryer	24.31	7158.7	2.5		109	950
EQT0026	076 - CS-2 Fluffy Process Vacuum System Filter	20.37	2666.7	1.67		111	215
EQT0027	079 - Boiler- Barge Dock	49.4	9312	2		13	600
EQT0028	082 - S.B. Hopper Car Vacuum System Filter	81.35	3833.3	1		122	150
EQT0029	083 - CS-2 Plunge Gas Filter	84.88	4000	1		90	350
EQT0030	084 - CO-3A Plunge Gas Filter	85.34	6283.3	1.25		88	350
EQT0031	086 - CO-3B Plunge Gas Filter	85.34	6283.3	1.25		88	350
EQT0032	101 - VO-1 Bin Vent Filter	59.1	1000	.28		67	120

**INVENTORIES**

AI ID: 19901 - Cabot Corp - Canal Plant  
 Activity Number: PER20070006  
 Permit Number: 2660-00004-y2  
 Air - Title V Regular Permit Minor Mod

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
<b>Entire Facility</b>							
EQT 0033 102 - VO-2 Bin Vent Filter		266.85	1000	.28		67	120
EQT 0034 103 - VO-3 Bin Vent Filter		21.83	1000	.99		76	120
EQT 0035 104 - VO-4 Bin Vent Filter		75.06	1000	.53		77	120
EQT 0036 10S - CS-2 Fluffy Packer Vacuum System Filter		100	3000	.5		10	120
EQT 0037 110 - VS-1 Bin Vent Filter		60.04	1000	.59		68	120
EQT 0038 120 - VS-2 Bin Vent Filter		60.04	1000	.59		68	120
EQT 0039 130 - VS-3 Dust Filter		74.39	7270	1.44		98	120
EQT 0040 135 - Silo 5 Bin Vent Filter (West)		60.04	1000	.59		70	120
EQT 0041 136 - Silo 5 Bin Vent Filter (East)		60.04	1000	.59		70	120
EQT 0042 152 - CO-6 East Purge Gas Filter		85.34	6283.3	1.25		127	350
EQT 0043 153 - CO-6 West Purge Gas Filter		85.34	6283.3	1.25		127	350
EQT 0044 154 - C-7 Main Unit Filter Heat Load Vent		130.3	82550	3.67		150	425
EQT 0045 155 - C-7 Process Filter		55.02	5833.3	1.5		105	215
EQT 0046 158 - C-7 East Purge Gas Filter		85.34	6283.3	1.25		127	350
EQT 0047 159 - C-7 West Purge Gas Filter		85.34	683.3	1.25		127	350
EQT 0048 160 - C-7 Reactor Vent Scrubber		194.64	82550	3		20	500
EQT 0050 201 - No. 1 Oil Tank Vent		4.6	216.7	1		39	135
EQT 0051 202 - No. 2 Oil Tank Vent		4.6	216.7	1		39	135
EQT 0052 203 - No. 3 Oil Tank Vent		4.6	216.7	1		39	135
EQT 0053 204 - No. 4 Oil Tank Vent		4.6	216.7	1		44	135
EQT 0054 205 - No. 5 Oil Tank Vent		10.35	216.7	.67		39	135
EQT 0055 210 - #1 Day Run Tank Vent		4.77	25	.33		21	135
EQT 0056 211 - #2 Day Run Tank Vent		1.59	8.3	.33		20	135
EQT 0057 212 - #3 Day Run Tank Vent		4.77	25	.33		20	135
EQT 0058 215 - Ink Oil Tank #1		19.1	25	.17		18	135
EQT 0059 216 - Ink Oil Tank #2		19.1	25	.17		18	135
EQT 0060 217 - Ink Oil Tank #3		19.1	25	.17		17	135
EQT 0062 302 - CS-1&CS-2 Reactor Vent Scrubber		73.91	7836.6	1.5		62	500
EQT 0063 303 - CS-3A & CS-3B Reactor Vent Scrubber		175.15	33014.7	2		96	500
EQT 0064 305 - CO-5 Reactor Vent Scrubber		86.51	82550	4.5		21	500
EQT 0065 306 - CO-6 Reactor Vent Scrubber		194.64	82550	3		20	500
EQT 0067 600 - CS-1 Off Quality Tank		14	4.3	.5		29	150

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**INVENTORIES**

AI ID: 19901 - Cabot Corp - Canal Plant  
 Activity Number: PER20070006  
 Permit Number: 2660-00004-V2  
**Air - Title V Regular Permit Minor Mod**

Stack Information:		Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
<b>Entire Facility</b>								
EQT 0068	610 - C-7 Off Quality Tank		3.9	11.5	.25		.53	150
EQT 0069	611 - C-7 Storage Tank Bin Vent Filter		.69	11.5	.59		.70	100
EQT 0070	612 - CO-6 Off Quality Tank		3.9	11.5	.25		.71	150
EQT 0071	615 - CO-3B Off Quality Tank		1.65	4.9	.25		.28	150
EQT 0072	616 - VO-2 Storage Tank		3.71	4.9	.17		.71	100
EQT 0073	617 - VO-1 Storage Tank		3.71	4.9	.17		.71	100
EQT 0074	618 - Silo 1 Bin Vent Filter		60.04	1000	.59		.70	120
EQT 0075	619 - VS-4 Bin Vent Filter		30.56	1000	.83		.98	120
EQT 0076	620 - CO-3A Off Quality Tank		1.65	4.9	.25		.28	150
EQT 0077	621 - CO-5 Off Quality Tank		3.9	11.5	.25		.71	150
EQT 0078	622 - CS-2 Off Quality Tank		14	4.3	.5		.29	150
EQT 0079	6SA - CS Dual Grade Tank Bin Vent Filter (West) VS-6		28.03	1000	.59		.80	120
EQT 0080	6SB - CS Dual Grade Tank Bin Vent Filter (East) VS-7		28.03	1000	.59		.80	120
EQT 0084	72A - CO-5 East Purge Gas Filter		85.34	6283.3	1.25		.127	350
EQT 0085	72B - CO-5 West Purge Gas Filter		85.34	6283.3	1.25		.127	350
EQT 0086	81A - North Action Vacuum System Filter		95.49	8000	1.33		.39	150
EQT 0087	81B - South Action Vacuum System Filter		95.49	8000	1.33		.39	150
EQT 0088	950 - Gasoline Storage Tank - Vehicle Use				.26		.10	100
EQT 0089	951 - Gasoline Storage Tank - Contractor Use				.01		.11	100
EQT 0013	961 - T1 Bin Vent		134		1		.18	120
EQT 0014	962 - T2 Bin Vent		134		1		.18	120
EQT 0015	963 - T3 Bin Vent		95		1		.19	120
EQT 0016	964 - T4 Bin Vent		95		1		.100	120
EQT 0017	965 - Pellet Feed Tank Bin Vent		134		1		.82	120
EQT 0018	966 - Grinding Station Process Filter		60.71	11444	2		.120	120
EQT 0115	352 - Silo 2 Bin Vent Filter		.31	10	.83		.160	120
EQT 0116	353 - Silo 3 Bin Vent Filter		.31	10	.83		.160	120

Relationships:

Subject Item Groups:	Group Type	Group Description
CRG 001	Common Requirements Group	BVPF - Bin Vent and Process Filters

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**INVENTORIES**

AI ID: 19901 - Cabot Corp - Canal Plant  
 Activity Number: PER20070006  
 Permit Number: 2660-00004-V2  
**Air - Title V Regular Permit Minor Mod**

## Subject Item Groups:

ID	Equipment Group	Group Type	CAP - CAP
GRP 0002			- Entire Facility
UNF 0001	Unit or Facility Wide		

## Group Membership:

ID	Description	Group Description	Member of Groups
EQT 0014	006 - CO-3A Process Filter		CRG0000000001, GRP0000000002
EQT 0015	007 - CO-3B Process Filter		CRG0000000001, GRP0000000002
EQT 0016	008 - CO-5 Process Filter		CRG0000000001, GRP0000000002
EQT 0017	009 - CO-6 Process Filter		CRG0000000001, GRP0000000002
EQT 0018	010 - CS-1/CS-2 Process Filter		CRG0000000001, GRP0000000002
EQT 0019	01S - VS-4 Packing Vacuum System Filter		CRG0000000001
EQT 0026	076 - CS-2 Fluffy Process Vacuum System Filter		CRG0000000001
EQT 0028	082 - S.B. Hopper Car Vacuum System Filter		CRG0000000001, GRP0000000002
EQT 0029	083 - CS-2 Purge Gas Filter		CRG0000000001, GRP0000000002
EQT 0030	084 - CO-3A Purge Gas Filter		CRG0000000001, GRP0000000002
EQT 0031	086 - CO-3B Purge Gas Filter		CRG0000000001, GRP0000000002
EQT 0032	101 - VO-1 Bin Vent Filter		CRG0000000001
EQT 0033	102 - VO-2 Bin Vent Filter		CRG0000000001
EQT 0034	103 - VO-3 Bin Vent Filter		CRG0000000001
EQT 0035	104 - VO-4 Bin Vent Filter		CRG0000000001
EQT 0036	10S - CS-2 Fluffy Packer Vacuum System Filter		CRG0000000001
EQT 0037	110 - VS-1 Bin Vent Filter		CRG0000000001
EQT 0038	120 - VS-2 Bin Vent Filter		CRG0000000001
EQT 0039	130 - VS-3 Dust Filter		CRG0000000001
EQT 0040	135 - Silo 5 Bin Vent Filter (West)		CRG0000000001
EQT 0041	136 - Silo 5 Bin Vent Filter (East)		CRG0000000001
EQT 0042	152 - CO-6 East Purge Gas Filter		CRG0000000001, GRP0000000002
EQT 0043	153 - CO-6 West Purge Gas Filter		CRG0000000001, GRP0000000002
EQT 0045	155 - C-7 Process Filter		CRG0000000001, GRP0000000002
EQT 0046	158 - C-7 East Purge Gas Filter		CRG0000000001, GRP0000000002
EQT 0047	159 - C-7 West Purge Gas Filter		CRG0000000001, GRP0000000002
EQT 0067	600 - CS-1 Off Quality Tank		CRG0000000001
EQT 0068	610 - C-7 Off Quality Tank		CRG0000000001
EQT 0069	611 - C-7 Storage Tank Bin Vent Filter		CRG0000000001
EQT 0070	612 - CO-6 Off Quality Tank		CRG0000000001
EQT 0071	615 - CO-3B Off Quality Tank		CRG0000000001
EQT 0072	616 - VO-2 Storage Tank		CRG0000000001
EQT 0073	617 - VO-1 Storage Tank		CRG0000000001
EQT 0074	618 - Silo 1 Bin Vent Filter		CRG0000000001
EQT 0075	619 - VS-4 Bin Vent Filter		CRG0000000001

**INVENTORIES**

AI ID: 19901 - Cabot Corp - Canal Plant  
 Activity Number: PER20070006  
 Permit Number: 2660-00004-V2  
 Air - Title V Regular Permit Minor Mod

**Group Membership:**

<b>ID</b>	<b>Description</b>	<b>Member of Groups</b>
EQT 0076	620 - CO-3A Off Quality Tank	CRG0000000001
EQT 0077	621 - CO-5 Off Quality Tank	CRG0000000001
EQT 0078	622 - CS-2 Off Quality Tank	CRG0000000001
EQT 0079	6SA - CS Dual Grade Tank Bin Vent Filter (West) VS-6	CRG0000000001
EQT 0080	6SB - CS Dual Grade Tank Bin Vent Filter (East) VS-7	CRG0000000001
EQT 0084	72A - CO-5 East Purge Gas Filter	CRG0000000001, GRP0000000002
EQT 0085	72B - CO-5 West Purge Gas Filter	CRG0000000001, GRP0000000002
EQT 0086	81A - North Action Vacuum System Filter	CRG0000000001
EQT 0087	81B - South Action Vacuum System Filter	CRG0000000001
EQT 0096	999 - Combusted Tail Gas Stack	GRP0000000002
EQT 0103	961 - T1 Bin Vent	CRG0000000001
EQT 0104	962 - T2 Bin Vent	CRG0000000001
EQT 0105	963 - T3 Bin Vent	CRG0000000001
EQT 0106	964 - T4 Bin Vent	CRG0000000001
EQT 0107	965 - Pellet Feed Tank Bin Vent	CRG0000000001
EQT 0115	352 - Silo 2 Bin Vent Filter	CRG0000000001
EQT 0116	353 - Silo 3 Bin Vent Filter	CRG0000000001
FUG 0001	400 - Plantwide Fugitives	GRP0000000002

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

**Annual Maintenance Fee:**

<b>Fee Number</b>	<b>Air Contaminant Source</b>	<b>Multiplier</b>	<b>Units Of Measure</b>
0680	0680 Carbon Black Manufacture (Rated Capacity)	492	MM lbs/yr

**SIC Codes:**

2895	Carbon black	AI 19901
2895	Carbon black	UNF 001

## EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 19901 - Cabot Corp - Canal Plant  
 Activity Number: PER20070006  
 Permit Number: 2660-00004-V2  
**Air - Title V Regular Permit Minor Mod**

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
<b>Entire Facility</b>															
EQT 0008 <sub>004</sub>	1.54	1.85	1.32	1.83	2.20	1.57	<0.001	<0.001	0.01	0.01	0.01	0.10	0.12	0.09	
EQT 0011 <sub>001</sub>	1.89	2.26	0.98	2.24	2.69	1.17	<0.001	<0.001	0.01	0.02	0.01	0.12	0.15	0.06	
EQT 0012 <sub>002</sub>	3.78	4.54	1.18	4.50	5.40	1.40	<0.001	<0.001	0.02	0.03	0.01	0.25	0.30	0.08	
EQT 0013 <sub>003</sub>	3.78	4.54	0.79	4.50	5.40	0.94	<0.001	<0.001	0.03	0.03	<0.01	0.25	0.30	0.05	
EQT 0014 <sub>006</sub>			83.56			0.14				0.42			0.27		
EQT 0015 <sub>007</sub>			75.13			0.13				0.38			0.24		
EQT 0016 <sub>008</sub>			146.18			0.25				0.74			0.48		
EQT 0017 <sub>009</sub>			271.35			0.46				1.37			0.88		
EQT 0018 <sub>010</sub>			120.10			0.21				0.60			0.39		
EQT 0019 <sub>015</sub>									<0.001	<0.001					7.31
EQT 0022 <sub>052</sub>	3.32	3.99	1.21	3.95	4.75	1.44	<0.001	<0.001	0.01	0.02	0.03	<0.01	0.22	0.26	0.08
EQT 0023 <sub>058</sub>	1.89	2.26	0.44	2.24	2.69	0.53	<0.001	<0.001	<0.01	0.01	0.02	<0.01	0.12	0.15	0.03
EQT 0024 <sub>062</sub>	1.28	1.54	5.61	1.53	1.83	6.68	0.12	0.14	0.51	0.01	0.01	0.04	0.08	0.10	0.37
EQT 0026 <sub>076</sub>									0.12	0.18	0.26				
EQT 0027 <sub>079</sub>	1.51	1.81	2.12	1.80	2.16	2.52	0.14	0.16	0.19	0.01	0.01	0.02	0.10	0.12	0.14
EQT 0028 <sub>082</sub>									0.04	0.04	0.16				
EQT 0029 <sub>083</sub>									0.01			0.75			1.09
EQT 0030 <sub>084</sub>									0.02			2.13			3.10
EQT 0031 <sub>086</sub>									0.003	0.003	0.01				
EQT 0032 <sub>101</sub>												1.92			2.79
EQT 0033 <sub>102</sub>															
EQT 0034 <sub>103</sub>															
EQT 0035 <sub>104</sub>															

## EMISSION RATES FOR CRITERIA POLLUTANTS

**AI ID:** 19901 - Cabot Corp - Canal Plant  
**Activity Number:** PER20070006  
**Permit Number:** 2660-00004-V2  
**Air - Title V Regular Permit Minor Mod**

Subject Item	CO			NOx			PM10			SO2			VOC			
	Avg lb/hr	Max lb/hr	Tons/Year													
<b>Entire Facility</b>																
EQT 0036 <sup>105</sup>							0.002	0.003	0.01							
EQT 0037 <sup>110</sup>							0.003	0.003	0.01							
EQT 0038 <sup>120</sup>							0.003	0.003	0.01							
EQT 0039 <sup>130</sup>							0.026	0.026	0.11							
EQT 0040 <sup>135</sup>							0.003	0.003	0.01							
EQT 0041 <sup>136</sup>							0.003	0.003	0.01							
EQT 0042 <sup>152</sup>	18.04			1.19			0.04			3.46			5.03			
EQT 0043 <sup>153</sup>	18.04			1.19			0.04			3.46			5.03			
EQT 0044 <sup>154</sup>	3.78	4.54	0.79	4.50	5.40	0.94	<0.001	<0.001	0.03	0.03	<0.01	0.25	0.30	0.30	0.05	
EQT 0045 <sup>155</sup>			271.35			0.46			1.37		0.88				16.51	
EQT 0046 <sup>158</sup>			18.04			1.19			0.03		3.46				5.03	
EQT 0047 <sup>159</sup>			18.04			1.19			0.03		3.46				5.03	
EQT 0048 <sup>160</sup>	3.78	4.54	0.79	4.50	5.40	0.94	0.14	0.16	0.03	0.03	<0.01	0.25	0.30	0.30	0.05	
EQT 0050 <sup>201</sup>												0.04			0.19	
EQT 0051 <sup>202</sup>												0.04			0.19	
EQT 0052 <sup>203</sup>												0.04			0.19	
EQT 0053 <sup>204</sup>												0.04			0.19	
EQT 0054 <sup>205</sup>												0.06			0.25	
EQT 0055 <sup>212</sup>												0.01			0.03	
EQT 0056 <sup>210</sup>												-0.01			0.03	
EQT 0057 <sup>215</sup>												0.01			0.04	
EQT 0058 <sup>216</sup>												0.01			0.04	

## EMISSION RATES FOR CRITERIA POLLUTANTS

**AI ID:** 19901 - Cabot Corp - Canal Plant  
**Activity Number:** PER20070006  
**Permit Number:** 2660-00004-V2  
**Air - Title V Regular Permit Minor Mod**

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
<b>Entire Facility</b>															
EQT 0060 <sup>217</sup>															0.01
EQT 0062 <sup>302</sup>	3.75	4.50	1.95	4.47	5.36	2.32	0.14	0.16	0.07	0.03	0.03	0.01	0.25	0.30	0.13
EQT 0063 <sup>303</sup>	3.78	4.54	2.75	4.50	5.40	3.28	0.14	0.16	0.10	0.03	0.03	0.02	0.25	0.30	0.18
EQT 0064 <sup>305</sup>	3.78	4.54	1.18	4.50	5.40	1.40	0.14	0.16	0.04	0.03	0.03	<0.01	0.25	0.30	0.08
EQT 0065 <sup>306</sup>	3.78	4.54	0.79	4.50	5.40	0.94	0.14	0.16	0.03	0.03	0.03	<0.01	0.25	0.30	0.05
EQT 0067 <sup>600</sup>										0.001		<0.01			
EQT 0068 <sup>610</sup>										0.03		<0.01			
EQT 0069 <sup>611</sup>										0.003	0.003	0.01			
EQT 0070 <sup>612</sup>										0.03		<0.01			
EQT 0071 <sup>615</sup>										0.01		<0.01			
EQT 0072 <sup>616</sup>										0.01		<0.01			
EQT 0073 <sup>617</sup>										0.01		<0.01			
EQT 0074 <sup>618</sup>										0.003	0.003	0.01			
EQT 0075 <sup>619</sup>										0.01	0.01	0.06			
EQT 0076 <sup>620</sup>										0.01		<0.01			
EQT 0077 <sup>621</sup>										0.03		<0.01			
EQT 0078 <sup>622</sup>										0.01		<0.01			
EQT 0079 <sup>6SA</sup>										0.003	0.003	0.01			
EQT 0080 <sup>6SB</sup>										0.003	0.003	0.01			
EQT 0084 <sup>72A</sup>		9.72			0.64					0.02		1.86		2.71	
EQT 0085 <sup>72B</sup>		9.72			0.64					0.02		1.86		2.71	
EQT 0086 <sup>81A</sup>										0.06	0.06	0.26			
EQT 0087 <sup>81B</sup>										0.06	0.06	0.26			

## EMISSION RATES FOR CRITERIA POLLUTANTS

**AI ID:** 19901 - Cabot Corp - Canal Plant  
**Activity Number:** PER20070006  
**Permit Number:** 2660-00004-V2  
**Air - Title V Regular Permit Minor Mod**

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
<b>Entire Facility</b>															
EQT 0088 950															
EQT 0089 951															
EQT 0094 FGC	161.23	3869.45	706.18	0.24	5.64	1.03	0.15	3.70	0.68	0.49	11.73	2.14	8.92	213.94	39.05
EQT 0096 999		1034.04			445.01			88.61			7540.00			105.20	
EQT 0103 961							0.002	0.002	0.01						
EQT 0104 962							0.002	0.002	0.01						
EQT 0105 963							0.001	0.001	0.01						
EQT 0106 964							0.001	0.001	0.01						
EQT 0107 965							0.002	0.002	0.01						
EQT 0108 966							0.29	0.29	1.27						
EQT 0115 352							<0.001	<0.001	<0.01						
EQT 0116 353							<0.001	<0.001	<0.01						
FUG 0001 400		8.80			0.02			4.72		0.03			0.53		
GRP 0002 Cap	1380.37		6046.00	410.03		1795.91	81.42		356.62	6186.92		27098.7	92.49		405.09

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 19901 - Cabot Corp - Canal Plant

Activity Number: PER20070006

Permit Number: 2660-00004-V2

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0014 006	Ammonia		<0.001	
	Carbon disulfide		1.577	
	Carbonyl sulfide		0.602	
	Hydrogen cyanide		0.287	
	Hydrogen sulfide		2.221	
EQT 0015 007	Ammonia		<0.001	
	Carbon disulfide		1.418	
	Carbonyl sulfide		0.541	
	Hydrogen cyanide		0.258	
	Hydrogen sulfide		1.997	
EQT 0016 008	Ammonia		<0.001	
	Carbon disulfide		2.759	
	Carbonyl sulfide		1.052	
	Hydrogen cyanide		0.503	
	Hydrogen sulfide		3.885	
EQT 0017 009	Ammonia		<0.001	
	Carbon disulfide		5.121	
	Carbonyl sulfide		1.953	
	Hydrogen cyanide		0.933	
	Hydrogen sulfide		7.211	
EQT 0018 010	Ammonia		<0.001	
	Carbon disulfide		2.267	
	Carbonyl sulfide		0.865	
	Hydrogen cyanide		0.413	
	Hydrogen sulfide		3.192	
EQT 0029 083	Ammonia		<0.001	
	Carbon disulfide		0.645	
	Carbonyl sulfide		0.216	
	Hydrogen cyanide		0.228	
	Hydrogen sulfide		0.143	
EQT 0030 084	Ammonia		<0.001	
	Carbon disulfide		1.835	
	Carbonyl sulfide		0.616	

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 19901 - Cabot Corp - Canal Plant

Activity Number: PER20070006

Permit Number: 2660-00004-V2

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0030 084	Hydrogen cyanide		0.649	
	Hydrogen sulfide		0.406	
EQT 0031 086	Ammonia		<0.001	
	Carbon disulfide		1.650	
	Carbonyl sulfide		0.554	
	Ethylene		<0.001	
	Hydrogen cyanide		0.583	
	Hydrogen sulfide		0.365	
EQT 0042 152	Ammonia		<0.001	
	Carbon disulfide		2.980	
	Carbonyl sulfide		1.000	
	Hydrogen cyanide		1.053	
	Hydrogen sulfide		0.660	
EQT 0043 153	Ammonia		<0.001	
	Carbon disulfide		2.980	
	Carbonyl sulfide		1.000	
	Hydrogen cyanide		1.053	
	Hydrogen sulfide		0.660	
EQT 0045 155	Ammonia		<0.001	
	Carbon disulfide		5.121	
	Carbonyl sulfide		1.953	
	Hydrogen cyanide		0.933	
	Hydrogen sulfide		7.211	
EQT 0046 158	Ammonia		<0.001	
	Carbon disulfide		2.980	
	Carbonyl sulfide		1.000	
	Hydrogen cyanide		1.053	
	Hydrogen sulfide		0.660	
EQT 0047 159	Ammonia		<0.001	
	Carbon disulfide		2.980	
	Carbonyl sulfide		1.000	
	Hydrogen cyanide		1.053	
	Hydrogen sulfide		0.660	

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 19901 - Cabot Corp - Canal Plant

Activity Number: PER20070006

Permit Number: 2660-00004-V2

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0084 72A	Ammonia		<0.001	
	Carbon disulfide		1.605	
	Carbonyl sulfide		0.539	
	Hydrogen cyanide		0.567	
	Hydrogen sulfide		0.355	
EQT 0085 72B	Ammonia		<0.001	
	Carbon disulfide		1.605	
	Carbonyl sulfide		0.539	
	Hydrogen cyanide		0.567	
	Hydrogen sulfide		0.355	
EQT 0094 FGC	Carbon disulfide	2.263	54.301	9.910
	Carbonyl sulfide	0.994	23.863	4.355
	Hydrogen cyanide	0.533	12.795	2.335
	Hydrogen sulfide	3.768	90.438	16.505
EQT 0096 999	Ammonia		<0.001	
	Carbon disulfide		27.535	
	Carbonyl sulfide		7.064	
	Hydrogen cyanide		42.790	
	Hydrogen sulfide		27.434	
FUG 0001 400	Ammonia		<0.001	
	Carbon disulfide		0.167	
	Carbonyl sulfide		0.064	
	Hydrogen cyanide		0.030	
	Hydrogen sulfide		0.235	
GRP 0002 CAP	Ammonia	<0.001		<0.001
	Carbon disulfide	35.80		156.78
	Carbonyl sulfide	10.97		48.07
	Hydrogen cyanide	9.77		42.78
	Hydrogen sulfide	34.67		151.85
UNF 0001	Ammonia		<0.001	
	Carbon disulfide			166.69
	Carbonyl sulfide			52.43
	Hydrogen cyanide			45.12

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 19901 - Cabot Corp - Canal Plant

Activity Number: PER20070006

Permit Number: 2660-00004-V2

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0001	Hydrogen sulfide			168.36
	Nitric acid			<0.01
	Toluene			0.10
	Total suspended particulate			4.46

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

## **SPECIFIC REQUIREMENTS**

**AI ID:** 19901 - Cabot Corp - Canal Plant  
**Activity Number:** PER20070006  
**Permit Number:** 2660-00004-V2  
**Air - Title V Regular Permit Minor Mod**

### **EQT\_0008 004 - Main Unit Filter, Unit CS-1**

- 1 [40 CFR 63.1103(f)(3)] HAP  $\geq$  98 % reduction by weight, or HAP  $\leq$  20 ppmv, whichever is less stringent, by venting emissions through a closed-vent system to any combination of control devices meeting the requirements of 40 CFR 63.982(a)(2). Subpart YY. [40 CFR 63.1103(f)(3)]  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq$  20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq$  20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### **EQT\_0011 001 - CO-3B Main Unit Filter Heat Load Vent**

- 4 [40 CFR 63.1103(f)(3)] HAP  $\geq$  98 % reduction by weight, or HAP  $\leq$  20 ppmv, whichever is less stringent, by venting emissions through a closed-vent system to any combination of control devices meeting the requirements of 40 CFR 63.982(a)(2). Subpart YY. [40 CFR 63.1103(f)(3)]  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq$  20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq$  20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### **EQT\_0012 002 - CO-5 Main Unit Heat Load Vent**

- 7 [40 CFR 63.1103(f)(3)] HAP  $\geq$  98 % reduction by weight, or HAP  $\leq$  20 ppmv, whichever is less stringent, by venting emissions through a closed-vent system to any combination of control devices meeting the requirements of 40 CFR 63.982(a)(2). Subpart YY. [40 CFR 63.1103(f)(3)]  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq$  20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq$  20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

## **SPECIFIC REQUIREMENTS**

**All ID:** 19901 - Cabot Corp - Canal Plant  
**Activity Number:** PER20070006  
**Permit Number:** 2660-00004-V2  
**Air - Title V Regular Permit Minor Mod**

### **EQT 0013 003 - C-6 Main Unit Filter Heat Load Vent**

- 10 [40 CFR 63.1103(f)(3)] HAP  $\geq$  98 % reduction by weight, or HAP  $\leq$  20 ppmv, whichever is less stringent, by venting emissions through a closed-vent system to any combination of control devices meeting the requirements of 40 CFR 63.982(a)(2). Subpart YY. [40 CFR 63.1103(f)(3)]  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq$  20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- 11 [LAC 33.III.1101.B] Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq$  20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 12 [LAC 33.III.1311.C] Which Months: All Year Statistical Basis: Six-minute average

### **EQT 0014 006 - CO-3A Process Filter**

- 13 [LAC 33.III.1311.B] Total suspended particulate  $\leq$  9.07 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq$  20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 14 [LAC 33.III.1311.C] Which Months: All Year Statistical Basis: Six-minute average  
Include emissions of all toxic air pollutants listed in LAC 33.III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33.III.5105.B.
- 15 [LAC 33.III.5107.A.2] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.  
(MACT has been determined to be no additional controls).

### **EQT 0015 007 - CO-3B Process Filter**

- 17 [LAC 33.III.1311.B] Total suspended particulate  $\leq$  8.44 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq$  20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 18 [LAC 33.III.1311.C] Which Months: All Year Statistical Basis: Six-minute average  
Include emissions of all toxic air pollutants listed in LAC 33.III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33.III.5105.B.
- 19 [LAC 33.III.5107.A.2] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.  
(MACT has been determined to be no additional controls).

### **EQT 0016 008 - CO-5 Process Filter**

## SPECIFIC REQUIREMENTS

AI ID: 19901 - Cabot Corp - Canal Plant  
Activity Number: PER20070006  
Permit Number: 2660-00004-V2  
Air - Title V Regular Permit Minor Mod

### EQT\_0016 008 - CO-5 Process Filter

- 21 [LAC 33:III.1311.B] Total suspended particulate  $\leq$  13.19 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq$  20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average  
Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.  
Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.  
(MACT has been determined to be no additional controls).

### EQT\_0017 009 - CO-6 Process Filter

- 25 [LAC 33:III.1311.B] Total suspended particulate  $\leq$  19.96 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq$  20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average  
Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.  
Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.  
(MACT has been determined to be no additional controls).

### EQT\_0018 010 - CS-1/CS-2 Process Filter

- 29 [LAC 33:III.1311.B] Total suspended particulate  $\leq$  11.56 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq$  20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average  
Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.  
Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.  
(MACT has been determined to be no additional controls).

### EQT\_0019 01S - VS-4 Packing Vacuum System Filter

- 33 [LAC 33:III.1311.B] Total suspended particulate  $\leq$  0.02 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified

## SPECIFIC REQUIREMENTS

AI ID: 19901 - Cabot Corp - Canal Plant  
Activity Number: PER20070006  
Permit Number: 2660-00004-V2  
Air - Title V Regular Permit Minor Mod

### EQT 0019 01S - VS-4 Packing Vacuum System Filter

34 [LAC 33.III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### EQT 0022 052 - CS-2 Main Unit Filter Heat Load Vent

35 [40 CFR 63.1103(h)(3)] HAP >= 98 % reduction by weight, or HAP <= 20 ppmv, whichever is less stringent, by venting emissions through a closed-vent system to any combination of control devices meeting the requirements of 40 CFR 63.982(a)(2). Subpart YY. [40 CFR 63.1103(h)(3)]  
Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified  
36 [LAC 33.III.1101.B] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### EQT 0023 05B - CO-3A Main Unit Filter Heat Load Vent

37 [LAC 33.III.1311.C] HAP >= 98 % reduction by weight, or HAP <= 20 ppmv, whichever is less stringent, by venting emissions through a closed-vent system to any combination of control devices meeting the requirements of 40 CFR 63.982(a)(2). Subpart YY. [40 CFR 63.1103(h)(3)]  
Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified  
38 [40 CFR 63.1103(h)(3)] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### EQT 0024 062 - CS-2 Unit Dryer

39 [LAC 33.III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified  
40 [LAC 33.III.1311.C] Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified

## **SPECIFIC REQUIREMENTS**

All ID: 19901 - Cabot Corp - Canal Plant  
Activity Number: PER20070006  
Permit Number: 2660-00004-V2  
Air - Title V Regular Permit Minor Mod

### **EQT 0026 076 - CS-2 Fluffy Process Vacuum System Filter**

- 43 [LAC 33:III.1311.B] Total suspended particulate <= 0.82 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 44 [LAC 33:III.1311.C] Which Months: All Year Statistical Basis: Six-minute average

### **EQT 0027 079 - Boiler- Barge Dock**

- 45 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified  
Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
- 46 [LAC 33:III.1313.C] Which Months: All Year Statistical Basis: None specified

### **EQT 0028 082 - S.B. Hopper Car Vacuum System Filter**

- 47 [LAC 33:III.1311.B] Total suspended particulate <= 0.30 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 48 [LAC 33:III.1311.C] Which Months: All Year Statistical Basis: Six-minute average

### **EQT 0029 083 - CS-2 Purge Gas Filter**

- 49 [LAC 33:III.1311.B] Total suspended particulate <= 4.50 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average
- 50 [LAC 33:III.1311.C] Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.  
Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.  
(MACT has been determined to be no additional controls).

### **EQT 0030 084 - CO-3A Purge Gas Filter**

## SPECIFIC REQUIREMENTS

AI ID: 19901 - Cabot Corp - Canal Plant  
Activity Number: PER20070006  
Permit Number: 2660-00004-V2  
Air - Title V Regular Permit Minor Mod

### EQT 0030 084 - CO-3A Purge Gas Filter

- 53 [LAC 33:III.1311.B] Total suspended particulate <= 9.07 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 54 [LAC 33:III.1311.C] Which Months: All Year Statistical Basis: Six-minute average  
Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
- 55 [LAC 33:III.5107.A.2] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
- 56 [LAC 33:III.5109.A.1] (MACT has been determined to be no additional controls).

### EQT 0031 086 - CO-3B Purge Gas Filter

- 57 [LAC 33:III.1311.B] Total suspended particulate <= 8.44 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 58 [LAC 33:III.1311.C] Which Months: All Year Statistical Basis: Six-minute average  
Permittee shall install and maintain all fabric bag filters so that maximum particulate removal efficiencies are achieved. The filter elements (bags) shall be changed as necessary. Records of checks and maintenance inspections of the bag filters shall be kept on site and available for inspection by the Air Quality Division.
- 59 [LAC 33:III.501.C.6] Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
- 60 [LAC 33:III.5107.A.2] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
- 61 [LAC 33:III.5109.A.1] (MACT has been determined to be no additional controls).

### EQT 0032 101 - VO-1 Bin Vent Filter

- 62 [LAC 33:III.1311.B] Total suspended particulate <= 0.05 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 63 [LAC 33:III.1311.C] Which Months: All Year Statistical Basis: Six-minute average
- 64 [LAC 33:III.1311.B] Total suspended particulate <= 0.05 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified

## SPECIFIC REQUIREMENTS

AI ID: 19901 - Cabot Corp - Canal Plant  
Activity Number: PER20070006  
Permit Number: 2660-00004-V2  
Air - Title V Regular Permit Minor Mod

### EQT 0033 102 - VO-2 Bin Vent Filter

65 [LAC 33.III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### EQT 0034 103 - VO-3 Bin Vent Filter

66 [LAC 33.III.1311.B] Total suspended particulate <= 0.05 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
67 [LAC 33.III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### EQT 0035 104 - VO-4 Bin Vent Filter

68 [LAC 33.III.1311.B] Total suspended particulate <= 0.05 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
69 [LAC 33.III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### EQT 0036 10S - CS-2 Fluffy Packer Vacuum System Filter

70 [LAC 33.III.1311.B] Total suspended particulate <= 0.05 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
71 [LAC 33.III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### EQT 0037 110 - VS-1 Bin Vent Filter

72 [LAC 33.III.1311.B] Total suspended particulate <= 0.05 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
73 [LAC 33.III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### EQT 0038 120 - VS-2 Bin Vent Filter

## SPECIFIC REQUIREMENTS

AI ID: 19901 - Cabot Corp - Canal Plant  
Activity Number: PER20070006  
Permit Number: 2660-00004-V2  
Air - Title V Regular Permit Minor Mod

### EQT 0038 120 - VS-2 Bin Vent Filter

- 74 [LAC 33:II.1311.B] Total suspended particulate <= 0.05 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average
- 75 [LAC 33:II.1311.C]

### EQT 0039 130 - VS-3 Dust Filter

- 76 [LAC 33:II.1311.B] Total suspended particulate <= 0.14 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average
- 77 [LAC 33:II.1311.C]

### EQT 0040 135 - Silo 5 Bin Vent Filter (West)

- 78 [LAC 33:II.1311.B] Total suspended particulate <= 0.05 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average
- 79 [LAC 33:II.1311.C]

### EQT 0041 136 - Silo 5 Bin Vent Filter (East)

- 80 [LAC 33:II.1311.B] Total suspended particulate <= 0.05 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average
- 81 [LAC 33:II.1311.C]

### EQT 0042 152 - CO-6 East Purge Gas Filter

- 82 [LAC 33:II.1311.B] Total suspended particulate <= 12.55 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average
- 83 [LAC 33:II.1311.C] Include emissions of all toxic air pollutants listed in LAC 33:III.5105.B.
- 84 [LAC 33:II.5107.A.2]

## **SPECIFIC REQUIREMENTS**

AI ID: 19901 - Cabot Corp - Canal Plant  
Activity Number: PER20070006  
Permit Number: 2660-00004-V2  
Air - Title V Regular Permit Minor Mod

### **EQT 0042 152 - CO-6 East Purge Gas Filter**

85 [LAC 33:III.5109.A.1] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.  
(MACT has been determined to be no additional controls).

### **EQT 0043 153 - CO-6 West Purge Gas Filter**

86 [LAC 33:III.1311.B] Total suspended particulate  $\leq$  12.55 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq$  20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average  
Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.  
88 [LAC 33:III.5107.A.2] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.  
(MACT has been determined to be no additional controls).

### **EQT 0044 154 - C-7 Main Unit Filter Heat Load Vent**

90 [40 CFR 63.1103(d)(3)] HAP  $\geq$  98 % reduction by weight, or HAP  $\leq$  20 ppmv, whichever is less stringent, by venting emissions through a closed-vent system to any combination of control devices meeting the requirements of 40 CFR 63.982(a)(2). Subpart YY. [40 CFR 63.1103(f)(3)]  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq$  20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq$  20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### **EQT 0045 155 - C-7 Process Filter**

93 [LAC 33:III.1311.B] Total suspended particulate  $\leq$  19.96 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq$  20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average  
Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

## SPECIFIC REQUIREMENTS

AI ID: 19901 - Cabot Corp - Canal Plant  
Activity Number: PER20070006  
Permit Number: 2660-00004-V2  
Air - Title V Regular Permit Minor Mod

### EQT 0045 156 - C-7 Process Filter

96 [LAC.33:III.5109.A.1] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.  
(MACT has been determined to be no additional controls).

### EQT 0046 158 - C-7 East Purge Gas Filter

97 [LAC.33:III.1311.B] Total suspended particulate <= 12.55 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average  
Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.  
Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.  
(MACT has been determined to be no additional controls).

### EQT 0047 159 - C-7 West Purge Gas Filter

98 [LAC.33:III.1311.C] Total suspended particulate <= 12.55 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average  
Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.  
Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.  
(MACT has been determined to be no additional controls).

### EQT 0048 160 - C-7 Reactor Vent Scrubber

99 [LAC.33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### EQT 0062 302 - CS-1&CS-2 Reactor Vent Scrubber

## SPECIFIC REQUIREMENTS

AI ID: 19901 - Cabot Corp. - Canal Plant  
Activity Number: PER20070006  
Permit Number: 2660-00004-V2  
Air - Title V Regular Permit Minor Mod

### EQT 0062 - 302 - CS-1&CS-2 Reactor Vent Scrubber

- 107 [LAC 33.III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### EQT 0063 - 303 - CS-3A & CS-3B Reactor Vent Scrubber

- 108 [LAC 33.III.1311.C] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### EQT 0064 - 305 - CO-5 Reactor Vent Scrubber

- 109 [LAC 33.III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### EQT 0065 - 306 - CO-6 Reactor Vent Scrubber

- 110 [LAC 33.III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

## SPECIFIC REQUIREMENTS

AI ID: 19901 - Cabot Corp - Canal Plant  
Activity Number: PER20070006  
Permit Number: 2660-00004-V2  
Air - Title V Regular Permit Minor Mod

### EQT 0067 600 - CS-1 Off Quality Tank

- 115 [LAC 33:III.1311.B] Total suspended particulate  $\leq 0.12 \text{ lb/hr}$ . The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq 20$  percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average
- 116 [LAC 33:III.1311.C]

### EQT 0068 610 - C-7 Off Quality Tank

- 117 [LAC 33:III.1311.B] Total suspended particulate  $\leq 0.24 \text{ lb/hr}$ . The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq 20$  percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average
- 118 [LAC 33:III.1311.C]

### EQT 0069 611 - C-7 Storage Tank Bin Vent Filter

- 119 [LAC 33:III.1311.B] Total suspended particulate  $\leq 0.05 \text{ lb/hr}$ . The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq 20$  percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average
- 120 [LAC 33:III.1311.C]

### EQT 0070 612 - CO-6 Off Quality Tank

- 121 [LAC 33:III.1311.B] Total suspended particulate  $\leq 0.24 \text{ lb/hr}$ . The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq 20$  percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average
- 122 [LAC 33:III.1311.C]

### EQT 0071 615 - CO-3B Off Quality Tank

- 123 [LAC 33:III.1311.B] Total suspended particulate  $\leq 0.12 \text{ lb/hr}$ . The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq 20$  percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average
- 124 [LAC 33:III.1311.C]

## **SPECIFIC REQUIREMENTS**

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### **EQT 0072 616 - VO-2 Storage Tank**

- 125 [LAC 33:III.1311.B] Total suspended particulate  $\leq 0.12 \text{ lb/hr}$ . The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq 20$  percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### **EQT 0073 617 - VO-1 Storage Tank**

- 127 [LAC 33:III.1311.B] Total suspended particulate  $\leq 0.12 \text{ lb/hr}$ . The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq 20$  percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### **EQT 0074 618 - Silo 1 Bin Vent Filter**

- 129 [LAC 33:III.1311.B] Total suspended particulate  $\leq 0.05 \text{ lb/hr}$ . The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq 20$  percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### **EQT 0075 619 - VS-4 Bin Vent Filter**

- 131 [LAC 33:III.1311.B] Total suspended particulate  $\leq 0.14 \text{ lb/hr}$ . The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq 20$  percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### **EQT 0076 620 - CO-3A Off Quality Tank**

- 133 [LAC 33:III.1311.B] Total suspended particulate  $\leq 0.12 \text{ lb/hr}$ . The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq 20$  percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

## SPECIFIC REQUIREMENTS

AI ID: 19901 - Cabot Corp - Canal Plant  
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### EQT 0077 621 - CO-5 Off Quality Tank

- 135 [LAC 33:III.1311.B] Total suspended particulate  $\leq 0.24 \text{ lb/hr}$ . The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq 20$  percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### EQT 0078 622 - CS-2 Off Quality Tank

- 137 [LAC 33:III.1311.B] Total suspended particulate  $\leq 0.12 \text{ lb/hr}$ . The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq 20$  percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### EQT 0079 6SA - CS Dual Grade Tank Bin Vent Filter (West) VS-6

- 139 [LAC 33:III.1311.B] Total suspended particulate  $\leq 0.05 \text{ lb/hr}$ . The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq 20$  percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### EQT 0080 6SB - CS Dual Grade Tank Bin Vent Filter (East) VS-7

- 141 [LAC 33:III.1311.B] Total suspended particulate  $\leq 0.05 \text{ lb/hr}$ . The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq 20$  percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### EQT 0084 72A - CO-5 East Purge Gas Filter

- 143 [LAC 33:III.1311.B] Total suspended particulate  $\leq 8.29 \text{ lb/hr}$ . The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq 20$  percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average  
145 [LAC 33:III.5107.A.2] Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

## **SPECIFIC REQUIREMENTS**

AI ID: 19901 - Cabot Corp - Canal Plant  
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### **EQT 0084 72A - CO-5 East Purge Gas Filter**

146 [LAC 33:III.5109.A.1] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.  
(MACT has been determined to be no additional controls).

### **EQT 0085 72B - CO-5 West Purge Gas Filter**

147 [LAC 33:III.1311.B] Total suspended particulate  $\leq$  8.29 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq$  20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average  
Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.  
148 [LAC 33:III.1311.C] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.  
(MACT has been determined to be no additional controls).

### **EQT 0086 81A - North Action Vacuum System Filter**

149 [LAC 33:III.5107.A.2] Total suspended particulate  $\leq$  0.41 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq$  20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average  
Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

### **EQT 0087 81B - South Action Vacuum System Filter**

150 [LAC 33:III.5109.A.1] Total suspended particulate  $\leq$  0.41 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
Opacity  $\leq$  20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average  
Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

### **EQT 0088 950 - Gasoline Storage Tank - Vehicle Use**

151 [LAC 33:III.1311.B] Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere.  
152 [LAC 33:III.1311.C] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

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### EQT 0089 951 - Gasoline Storage Tank - Contractor Use

- 158 [LAC 33:III.2103.A] Maintain working pressures sufficient at all times under normal operating conditions to prevent vapor or gas loss to the atmosphere.  
Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

### EQT 0094 FGC - Shutdown/Startup/Sampling

- 160 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: None specified  
Which Month: All Year Statistical Basis: Six-minute average  
Opacity <= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average  
Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.  
Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.  
MACT is determined as compliance with 40 CFR 63 Subpart YY and 40 CFR 63 Subpart SS.

### EQT 0096 999 - Combusted Tail Gas Stack

- 164 {40 CFR 63.1103(f)(3)} HAP >= 98 % reduction by weight, or HAP <= 20 ppmv, whichever is less stringent. Subpart YY. [40 CFR 63.1103(f)(3)]  
Which Months: All Year Statistical Basis: None specified  
Closed-vent systems: Ensure that each closed-vent system is designed and operated to collect the regulated material vapors from the emission point, and to route the collected vapors to a control device. Subpart SS. [40 CFR 63.983(a)(1)]  
Closed-vent systems: Operate at all times when emissions are vented to, or collected by, them. Subpart SS. [40 CFR 63.983(a)(2)]  
Closed-vent systems (hard-piping): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 once initially. If an instrument reading of 500 ppmv above background is measured, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.983(d)(2). Subpart SS. [40 CFR 63.983(b)(1)(i)(A)]  
Which Months: All Year Statistical Basis: None specified  
Closed-vent systems (hard-piping): Presence of a leak monitored by visual, audible, and/or olfactory annually. Subpart SS. [40 CFR 63.983(b)(1)(i)(B)]  
Which Months: All Year Statistical Basis: None specified  
Closed-vent systems (unsafe-to-monitor): Determine that the equipment is unsafe-to-inspect because inspecting personnel would be exposed to an imminent or potential danger as a consequence of complying with 40 CFR 63.983(b)(1). Comply with this requirement instead of the requirements in 40 CFR 63.983(b)(2)(i)] Subpart SS. [40 CFR 63.983(b)(2)(i)]

## **SPECIFIC REQUIREMENTS**

**AI ID: 19901 - Cabot Corp - Canal Plant**  
**Activity Number: PER20070006**  
**Permit Number: 26660-00004-V2**  
**Air - Title V Regular Permit Minor Mod**

### **EQT 0096 999 - Combusted Tail Gas Stack**

- 170 [40 CFR 63.983(b)(2)(ii)] Closed-vent systems (unsafe-to-monitor): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires inspection of the equipment as frequently as practical during safe-to-inspect times, at least once annually. Comply with this requirement instead of the requirements in 40 CFR 63.983(b)(1). Subpart SS. [40 CFR 63.983(b)(2)(ii)]
- 171 [40 CFR 63.983(b)(3)(i)] Which Months: All Year Statistical Basis: None specified Closed-vent systems (difficult-to-monitor): Determine that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters (7 feet) above a support surface. Comply with this requirement instead of the requirements in 40 CFR 63.983(b)(1). Subpart SS. [40 CFR 63.983(b)(3)(i)]
- 172 [40 CFR 63.983(b)(3)(ii)] Closed-vent systems (difficult-to-monitor): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires inspection of the equipment at least once every 5 years. Comply with this requirement instead of the requirements in 40 CFR 63.983(b)(1). Subpart SS. [40 CFR 63.983(b)(3)(ii)]
- 173 [40 CFR 63.983(d)(1)] Which Months: All Year Statistical Basis: None specified Closed-vent systems (hard piping): Eliminate leak, or monitor according to the procedures in 40 CFR 63.983(c), if there are visible, audible, or olfactory indications of leaks at the time of the annual visual inspections required by 40 CFR 63.983(b)(1)(B). Subpart SS. [40 CFR 63.983(d)(1)]
- 174 [40 CFR 63.983(d)(2)] Closed-vent systems: Repair leaks as soon as practical, except as provided in 40 CFR 63.983(d)(3). Make a first attempt at repair no later than 5 days after the leak is detected, and complete repairs no later than 15 days after the leak is detected or at the beginning of the next introduction of vapors to the system, whichever is later. Subpart SS. [40 CFR 63.983(d)(2)]
- 175 [40 CFR 63.983(d)(3)] Closed-vent systems (delay of repair allowed): Repair equipment as soon as practical, but not later than the end of the next closed-vent system shutdown. Subpart SS. [40 CFR 63.983(d)(3)]
- 176 [40 CFR 63.988(a)(2)] Operate at all times when emissions are vented to control device. Subpart SS. [40 CFR 63.988(a)(2)]
- 177 [40 CFR 63.988(b)(1)] Conduct an initial performance test according to the procedures in 40 CFR 63.997, except as specified in 40 CFR 63.997(b) and 40 CFR 63.988(b)(2). A "Test Waiver" under 63.1112(b)(2) was issued by LDEQ on November 16, 2004. Subpart SS. [40 CFR 63.988(b)(1)]
- 178 [40 CFR 63.988(c)(1)] Temperature monitored by temperature monitoring device continuously. Install the temperature monitoring device in the fire box or in the ductwork immediately downstream of the fire box in a position before any substantial heat exchange occurs. Subpart SS. [40 CFR 63.988(c)(1)]
- 179 [40 CFR 63.998] Which Months: All Year Statistical Basis: None specified Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.998(a) through (d), as applicable. Subpart SS.
- 180 [40 CFR 63.999(a)(1)(i)] Due at least 30 days before such a compliance demonstration is scheduled to allow DEQ the opportunity to have an observer present. Notify DEQ as soon as possible of any delay in the original demonstration date, if after 30 days notice for such an initially scheduled compliance demonstration, there is a delay (due to operational problems, etc.) in conducting the scheduled compliance demonstration. Provide at least 7 days prior notice of the rescheduled date of the compliance demonstration, or arrange a rescheduled date with DEQ by mutual agreement. A "Test Waiver" under 63.1112(b)(2) was issued by LDEQ on November 16, 2004. Subpart SS. [40 CFR 63.999(a)(1)(i)]
- 181 [40 CFR 63.999(a)(1)(iii)] Submit application for a waiver of an initial performance test, as allowed by 40 CFR 63.997(b)(2), no later than 90 days before the performance test or compliance assessment is required. Include information justifying the request for a waiver, such as the technical or economic infeasibility, or the impracticality, of the source performing the test. This requirement has been fulfilled. Subpart SS. [40 CFR 63.999(a)(1)(iii)]

## **SPECIFIC REQUIREMENTS**

**AI ID: 19901 - Cabot Corp - Canal Plant**  
**Activity Number: PER20070006**  
**Permit Number: 2660-00004-V2**  
**Air - Title V Regular Permit Minor Mod**

### **EQT 0096 999 - Combusted Tail Gas Stack**

- 182 [40 CFR 63.999(a)(1)(iv)]  
Submit application to substitute a prior performance test or compliance assessment for an initial performance test or compliance assessment, as allowed by 40 CFR 63.997(b)(1), no later than 90 days before the performance test or compliance test is required. Include information demonstrating that the prior performance test or compliance assessment was conducted using the same methods specified in 40 CFR 63.997(e) or 40 CFR 63.987(b)(3), as applicable. Also include information demonstrating that no process changes have been made since the test, or that the results of the performance test or compliance assessment reliably demonstrate compliance despite process changes. This requirement has been fulfilled. Subpart SS. [40 CFR 63.999(a)(1)(iv)]
- 183 [40 CFR 63.999(a)(1)(iii)]  
Submit performance test if not submitted as part of a Notification of Compliance Status report, to DEQ within 60 days of completing the test or determination, unless specified differently. Include the information specified in 40 CFR 63.999(a)(2)(i) through (a)(2)(iii). A "Test Waiver" under 63.1112(b)(2) was issued by LDEQ on November 16, 2004. Subpart SS. [40 CFR 63.999(a)(1)(ii)]
- 184 [40 CFR 63.999(c)]  
Submit Periodic Report: Due as specified in the referencing subpart. Include the information specified in 40 CFR 63.999(c)(1) through (c)(7). Subpart SS. [40 CFR 63.999(c)]
- 185 [LAC 33:III.1101.B]  
Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 186 [LAC 33:III.1311.C]  
Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average  
Sulfur dioxide <= 2000 ppmv at standard conditions.
- 187 [LAC 33:III.1503.C]  
Which Months: All Year Statistical Basis: Three-hour average  
Determine compliance with the appropriate emission limitation in LAC 33:III.1503.A through 1503.C using the methods listed in LAC 33:III.1503.D. Table 4 or any such equivalent method as may be approved by DEQ. Use these methods for initial compliance determinations and for any additional compliance determinations as requested by DEQ.
- 188 [LAC 33:III.1503.D.I]  
Determine input sulfur value daily.  
Which Months: All Year Statistical Basis: None specified  
Fuel rate monitored by CMS continuously. Monitor the fuel consumption rate.
- 189 [LAC 33:III.1511.C.2.b]  
190 [LAC 33:III.1511.C.2.b]  
191 [LAC 33:III.1511.C.3]  
In order to demonstrate compliance with the sulfur dioxide emission limitations of LAC 33:III. Chapter 15, permittee shall develop a method by which to calculate the hourly average sulfur dioxide concentration in parts per million by volume (ppmv) on a wet basis and at standard conditions. This methodology shall, at a minimum, be able to calculate the hourly average sulfur dioxide ppmv and shall account for the following variables: actual stack temperature, actual stack gas flow rate, actual sulfur input into the system, and hourly sulfur dioxide emission rate. This methodology shall be submitted to the Office of Environmental Services, Air Permits Division within 6 months of the date of issuance of Permit Number 2660-00004-V2.
- 192 [LAC 33:III.1513.A.2]  
Submit compliance determination results: Due no later than 90 days after completion of test.
- 193 [LAC 33:III.1513.A.2]  
Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence. Record the initial and additional compliance determination data.
- 194 [LAC 33:III.1513.B.2]  
Sulfur recordkeeping by electronic or hard copy continuously. Record the fuel and/or feedstock consumption rate. Also record the input sulfur at the frequencies specified in LAC 33:III.1513.B.2.a and B.2.b.

## SPECIFIC REQUIREMENTS

AI ID: 19901 - Cabot Corp - Canal Plant  
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### EQT 0096 999 - Combusted Tail Gas Stack

- 195 [LAC 33:III.1513.B.3] Fuel rate recordkeeping by electronic or hard copy continuously. Record the fuel and/or feedstock consumption rate and input sulfur.  
Make all compliance data available to a representative of DEQ or the U.S. EPA on request.
- 196 [LAC 33:III.1513.E] Submit excess emissions report: Due quarterly in accordance with LAC 33:III.1.Chapter 39. Submit reports of three-hour excess emissions and reports of emergency conditions.
- 197 [LAC 33:III.1513.E] Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15.
- 198 [LAC 33:III.1513.E] To ensure compliance with maximum hourly permitted limits for PM10 from the combustion stack, source 999, the Permittee shall limit carbon black production on a site-wide basis to no more than 1.62 million pounds per day. Production is defined as the amount of carbon black processed through the dryers. The amount of carbon black processed shall be recorded each day. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Carbon black production above this limit for any operating day (i.e., any 24-hour period beginning at 12:00 midnight) shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division.
- 199 [LAC 33:III.501.C.6] Conduct an annual performance/emissions test: Due within one year, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of this permit, whichever comes later. The stack test's purpose is to demonstrate compliance with the NOx emission limits of this permit as well as the validity of the NOx Parametric Monitoring System used in lieu of a NOx Continuous Emissions Monitoring System (CEMS), and therefore must be conducted at greater than 70% of maximum permitted capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- 200 [LAC 33:III.507.H.1.a] Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
- 201 [LAC 33:III.507.H.1.a] Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs NOx / ton 100% HNO<sub>3</sub>, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent HNO<sub>3</sub> was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.
- 202 [LAC 33:III.507.H.1.a] Feedstock nitrogen content, natural gas consumption rate, and feedstock Feed rate recordkeeping by electronic or hard copy monthly. Keep records of the total feedstock nitrogen content, total natural gas consumption rate, and total feedstock feed rate each month, as well as the total feedstock nitrogen content, total natural gas consumption rate, and total feedstock feed rate for the last twelve months. Make records available for inspection by DEQ personnel.
- 203 [LAC 33:III.509] Submit report: Due annually, by the 31st of March. Report the feedstock nitrogen content, natural gas consumption rate, and feedstock feed rate for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
- 204 [LAC 33:III.509]

## SPECIFIC REQUIREMENTS

Air ID: 19901 - Cabot Corp - Canal Plant  
Activity Number: PER20070006  
Permit Number: 2660-00004-V2  
**Air - Title V Regular Permit Minor Mod**

### **EQT 0096 999 - Combusted Tail Gas Stack**

205 [LAC 33.III.509]

Permittee shall demonstrate compliance with permitted emission limits by performing stack tests on the combustion stack, Emission Point 999 after startup of the 7th unit. Emissions testing shall be performed using methods found in 40 CFR 60, Appendix A for the combustion stack, Emission Point 999 as follows (after startup of the 7th unit): [ ]

- (a) SO<sub>2</sub> by Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources.u
- (b) NO<sub>x</sub> by Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and [ ]
- (c) PM10 by Method 5 - Determination of Particulate Emissions from the Stationary Sources.u

206 [LAC 33.III.509]

Use alternate stack test methods only with prior approval of the Office of Environmental Assessment, Air Quality Assessment Division. Feedstock nitrogen content, natural gas consumption rate, and feedstock Feed rate monitored by technically sound method at the approved frequency. Feedstock feed rate monitoring shall occur on a continuous basis at all times that feedstock is being fed to a reactor. Feedstock nitrogen content monitoring shall occur once for each shipment of feedstock. The sample of feedstock used to determine feedstock nitrogen content shall be collected prior to use of the shipment of feedstock for production. Natural gas consumption rate monitoring shall occur on a continuous basis at all times that natural gas is being consumed.

Which Months: All Year Statistical Basis: None specified

Include emissions of all toxic air pollutants listed in LAC 33.III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33.III.5105.B.

207 [LAC 33.III.5107.A.2]  
208 [LAC 33.III.5109.A.1]  
Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is determined as a 98% HAP reduction.

### **EQT 0103 961 - T1 Bin Vent**

209 [LAC 33.III.1311.C]

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### **EQT 0104 962 - T2 Bin Vent**

210 [LAC 33.III.1311.C]

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### **EQT 0105 963 - T3 Bin Vent**

## SPECIFIC REQUIREMENTS

AI ID: 19901 - Cabot Corp - Canal Plant  
Activity Number: PER20070006  
Permit Number: 2660-00004-V2  
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### EQT 0105 963 - T3 Bin Vent

211 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### EQT 0106 964 - T4 Bin Vent

212 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### EQT 0107 965 - Pellet Feed Tank Bin Vent

213 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### EQT 0108 966 - Grinding Station Process Filter

214 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### EQT 0115 352 - Silo 2 Bin Vent Filter

215 [LAC 33:III.1311.B] Total suspended particulate <= 0.05 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
216 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

### EQT 0116 353 - Silo 3 Bin Vent Filter

217 [LAC 33:III.1311.B] Total suspended particulate <= 0.05 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified  
218 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average

## SPECIFIC REQUIREMENTS

AI ID: 19901 - Cabot Corp - Canal Plant  
Activity Number: PER20070006  
Permit Number: 2660-00004-V2  
Air - Title V Regular Permit Minor Mod

### FUG 0001 400 - Plantwide Fugitives

- 219 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.  
Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.  
Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.  
(MACT has been determined to be no additional controls).

### GRP 0002 CAP - CAP

- Group Members: EQT 0014EQT 0015EQT 0016EQT 0017EQT 0018EQT 0029EQT 0030EQT 0031EQT 0042EQT 0043EQT 0044EQT 0045EQT 0046EQT 0047EQT 0084EQT 0085EQT 0096FUC 0001
- 222 [LAC 33:III.1311.B] Total suspended particulate <= 4.46 tons/yr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified
- 223 [LAC 33:III.1311.B] Total suspended particulate <= 1.02 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified
- To ensure compliance with the permitted limits, oil metering devices used to determine carbon black production shall be monitored.
- Equipment/operational data monitored by flow rate monitoring device continuously.
- Which Months: All Year Statistical Basis: Constant
- Carbon Black Production rate recordkeeping by electronic or hard copy monthly. Keep records of the total production of carbon black each month, as well as the total production of carbon black for the last twelve months. Make records available for inspection by DEQ personnel.
- Carbon Black Production rate <= 246000 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if production of carbon black exceeds the maximum listed in this specific condition for any twelve consecutive month period.
- Which Months: All Year Statistical Basis: None specified
- Submit report: Due annually, by the 31st of March. Certify compliance with the production rate for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
- 227 [LAC 33:III.507.H.1.a]

## SPECIFIC REQUIREMENTS

AI ID: 19901 - Cabot Corp - Canal Plant  
Activity Number: PER20070006  
Permit Number: 2660-00004-V2  
Air - Title V Regular Permit Minor Mod

### GRP 0002 CAP - CAP

To ensure compliance with the emission limits contained in this permit, Cabot shall institute a system using a mass balance to calculate the SO<sub>2</sub> emissions from the combustion stack, Emission Point 999. The following variables shall be recorded each week:

- a. The sulfur content of the feedstock oil to each unit;
- b. the sulfur content of the carbon black product from each unit;
- c. the amount of feedstock oil processed in each unit;
- d. the amount of carbon black produced in each unit;
- e. the amount of sulfur entrained in the carbon black product from each unit (carbon black product sulfur content \* amount produced); andy
- f. the amount of sulfur entrained in the carbon black product from each unit (carbon black product sulfur content \* amount produced); andy
- g. the amount of SO<sub>2</sub> emitted from the combustion stack (twice the difference between the amount of sulfur entering all units and the amount of sulfur entrained in the carbon black product from all units)

Total SO<sub>2</sub> emissions shall be recorded each month and for the preceding twelve months. Emissions above the annual permit limit in any consecutive twelve (12) month period shall be a violation of the permit and must be reported to the Office of Environmental Compliance, Enforcement Division. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Enforcement Division. A report showing the the calculated SO<sub>2</sub> emissions from the combustion stack, Emission Point 999, shall be submitted to the Office of Environmental Compliance, Enforcement Division with the Annual Report.

### CRG 0001 BVPF - Bin Vent and Process Filters

Group Members: EQT 0014 EQT 0015 EQT 0016 EQT 0017 EQT 0018 EQT 0019 EQT 0020 EQT 0021 EQT 0022 EQT 0023 EQT 0034 EQT 0035 EQT 0036 EQT 0037 EQT 0038 EQT 0039 EQT 0040 EQT 0041 EQT 0042 EQT 0043 EQT 0044 EQT 0045 EQT 0046 EQT 0047 EQT 0048 EQT 0068 EQT 0069 EQT 0070 EQT 0071 EQT 0072 EQT 0073 EQT 0074 EQT 0075 EQT 0076 EQT 0077 EQT 0078 EQT 0079 EQT 0080 EQT 0081 EQT 0082 EQT 0083 EQT 0084 EQT 0085 EQT 0086 EQT 0087 EQT 0103 EQT 0104 EQT 0105 EQT 0106 EQT 0107 EQT 0115 EQT 0116

229 [LAC 33:II.13II.C]

In order to determine compliance with the opacity requirements of LAC 33:II.13II.C, permittee shall perform visual inspections on a daily basis. If visual emissions are detected above 10%, then, within one hour, the permittee shall conduct a six-minute opacity reading in accordance with EPA Reference Method 22. Records of visual emission checks shall include the emission point ID, date visual check was performed, a record if visible emissions were detected, and a record of Method 22 testing conducted and the result of the Method 22 test.

Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

Which Months: All Year Statistical Basis: None specified

## SPECIFIC REQUIREMENTS

AI ID: 19901 - Cabot Corp - Canal Plant  
Activity Number: PER20070006  
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Air - Title V Regular Permit Minor Mod

### CRG 0001 BvPF - Bin Vent and Process Filters

233 [LAC 33:III.507.H.1.a]

Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.  
Which Months: All Year Statistical Basis: None specified

#### UNF 0001 - Entire Facility

- 234 [40 CFR 61.145(b)(1)] Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. [40 CFR 61.145(b)(1)]  
Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M.
- 235 [40 CFR 61.148] 40 CFR 63.1-63.5 and 63.12-63.15 of Subpart A (General Provisions) apply. [40 CFR 63.1100(b)]
- 236 [40 CFR 63.1100(b)] Comply with the emission limitations and established parameter ranges at all times except during periods of startup, shutdown, malfunction, or non-operation of the affected source (or specific portion thereof) resulting in cessation of the emissions to which 40 CFR 63 Subpart YY applies. Subpart YY. [40 CFR 63.1108(a)(1)]
- 237 [40 CFR 63.1108(a)(1)] Follow the applicable provisions of the startup, shutdown, malfunction plan required by 40 CFR 63.1111 during periods of startup, shutdown, or malfunction. However, if a startup, shutdown, malfunction or period of non-operation of one portion of an affected source does not affect the ability of a particular emission point to comply with the specific provisions to which it is subject, then that emission point shall still be required to comply with the applicable provisions of 40 CFR 63 Subpart YY and any of the subparts that are referenced by 40 CFR 63 Subpart YY during startup, shutdown, malfunction, or period of non-operation. Subpart YY. [40 CFR 63.1108(a)(1)]
- 238 [40 CFR 63.1108(a)(1)] Comply with the equipment leak requirements at all times except during periods of startup, shutdown, malfunction, process unit shutdown, or non-operation of the affected source (or specific portion thereof) in which the lines are drained and depressurized resulting in cessation of the emissions to which equipment leak requirements apply. Subpart YY. [40 CFR 63.1108(a)(2)]
- 239 [40 CFR 63.1108(a)(2)] Implement, to the extent reasonably available, measures to prevent or minimize excess emissions during startups, shutdowns, and malfunctions. Identify the measures to be taken in the startup, shutdown, and malfunction plan (if applicable). Subpart YY. [40 CFR 63.1108(a)(5)]
- 240 [40 CFR 63.1108(a)(5)] Correct malfunctions as soon as practical after their occurrence and/or in accordance with the startup, shutdown, and malfunction plan developed as specified under 40 CFR 63.1111. Subpart YY. [40 CFR 63.1108(a)(6)]
- 241 [40 CFR 63.1108(a)(6)] Keep copies of notifications, reports and records required by 40 CFR 63 Subpart YY for at least 5 years, unless otherwise specified, except as provided in 40 CFR 63.1109(b). Subpart YY. [40 CFR 63.1109(a)]
- 242 [40 CFR 63.1109(a)] Maintain all records required to be maintained by 40 CFR 63 Subpart YY or a subpart referenced by 40 CFR 63 Subpart YY in such a manner that they can be readily accessed and are suitable for inspection. Retain the most recent 2 years of records onsite or make accessible to an inspector while onsite. The records of the remaining 3 years, where required, may be retained offsite. Subpart YY. [40 CFR 63.1109(c)]
- 243 [40 CFR 63.1109(c)] Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records containing information developed and used to assess control applicability under 40 CFR 63.1103 (e.g., combined total annual emissions of regulated organic HAP). Subpart YY. [40 CFR 63.1109(d)]
- 244 [40 CFR 63.1109(d)]

## SPECIFIC REQUIREMENTS

AI ID: 19901 - Cabot Corp - Canal Plant  
Activity Number: PER20070006  
Permit Number: 2660-00004-V2  
Air - Title V Regular Permit Minor Mod

### UNF 0001 - Entire Facility

- Submit Initial Notification: Due within 1 year after the source becomes subject to 40 CFR 63 Subpart YY. Include the information specified in 40 CFR 63.1110(c)(2) through (c)(7), as applicable, and 63.1110(f). Initial notification was submitted in 2003. Subpart YY. [40 CFR 63.1110(c)]
- Submit Notification of Compliance Status: Due 240 days after the compliance date, or 60 days after completion of the initial performance test or initial compliance assessment, whichever is earlier. Include the information specified in 40 CFR 63.1110(d)(1)(i), (d)(1)(i)(ii), and (f). The notification of compliance status was completed in 2006. Subpart YY. [40 CFR 63.1110(d)]
- Submit Periodic Reports: Due no later than 60 days after the end of each 6-month period. The first report shall cover the 6-month period after the Notification of Compliance Status report is due. Submit the first report no later than the last day of the month that includes the date 8 months (6 months and 60 days) after the Notification of Compliance Status report is due. Include all information specified in 40 CFR 63 Subpart YY and subparts referenced by 40 CFR 63 Subpart YY. Subpart YY. [40 CFR 63.1110(e)]
- Develop and implement a written startup, shutdown, and malfunction plan that describes, in detail, procedures for operating and maintaining the affected source during periods of startup, shutdown, and malfunction. Include a program of corrective action for malfunctioning process and air pollution control equipment used to comply with relevant standards under 40 CFR 63 Subpart YY. Address in the plan routine or otherwise predictable CPMS malfunctions. Develop this plan by the compliance date. The startup, shutdown, and malfunction plan was completed in 2005. Subpart YY. [40 CFR 63.1111(a)(1)]
- Operate and maintain the affected source (including associated air pollution control equipment and CPMS) in accordance with the procedures specified in the startup, shutdown, and malfunction plan developed under 40 CFR 63.1111(a)(1) during periods of startup, shutdown, and malfunction. Subpart YY. [40 CFR 63.1111(a)(2)]
- Revise the startup, shutdown, and malfunction plan within 45 days after an event to include detailed procedures for operating and maintaining the affected source during similar malfunction events and a program of corrective action for similar malfunctions of process or air pollution control equipment or CPMS, if the startup, shutdown, and malfunction plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction but was not included in the startup, shutdown, and malfunction plan at the time the plan was developed. Subpart YY. [40 CFR 63.1111(a)(5)]
- If actions during a startup, shutdown, and malfunction of an affected source, or of a control device or monitoring system required for compliance (including actions taken to correct a malfunction) are consistent with the procedures specified in the plan, state such information in a startup, shutdown, and malfunction report. Submit the startup, shutdown, and malfunction report by the 30th day following the end of each calendar half (or other calendar reporting period, as appropriate), unless the information is submitted with the Periodic Report. Include the information specified in 40 CFR 63.1111(b)(1)(i) through (b)(1)(iv). Subpart YY. [40 CFR 63.1111(b)(1)]
- Any time an action taken during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) during which excess emissions occur is not consistent with the procedures specified in the affected source's plan, report the actions taken for that event within 2 working days after commencing actions inconsistent with the plan, followed by a letter delivered or postmarked within 7 working days after the end of the event. Include in the immediate report the name, title, and signature of the owner or operator or other responsible official who is certifying its accuracy, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred. Subpart YY. [40 CFR 63.1111(b)(2)]
- Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]

## **SPECIFIC REQUIREMENTS**

AI ID: 19901 - Cabot Corp - Canal Plant  
Activity Number: PER200070006  
Permit Number: 2660-00004-V2  
Air - Title V Regular Permit Minor Mod

### **UNF 0001 - Entire Facility**

- 254 [40 CFR 70.6(a)(3)(iii)(A)] Submit Title V monitoring results report: Due semianually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 255 [40 CFR 70.6(a)(3)(iii)(B)] Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 256 [40 CFR 70.6(c)(5)(iv)] Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 257 [40 CFR 82 Subpart F] Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B.
- 258 [LAC 33:III.1103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111
- 259 [LAC 33:III.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 260 [LAC 33:III.2113.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5, as appropriate.
- 261 [LAC 33:III.2119] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 262 [LAC 33:III.2901.D] Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.
- 263 [LAC 33:III.2901.F] If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.
- 264 [LAC 33:III.509] Permittee shall process feedstock with a sulfur content of 4.0% (annual average) or less by weight to produce rubber grade, and 1.25% (annual average) or less by weight to produce industrial grade carbon black. For the purpose of this condition, industrial grade is that carbon black made for conductive and/or ultraviolet applications, and rubber grade is that carbon black made for all other applications. Exceedance of the sulfur content limit of feedstock to the reactors when making each grade shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. Records of the sulfur content of the feedstock oil to make rubber and industrial grade carbon black shall be kept on-site and available for inspection by the Department.

## **SPECIFIC REQUIREMENTS**

AI ID: 19901 - Cabot Corp - Canal Plant  
Activity Number: PER20070006  
Permit Number: 2660-00004-V2  
Air - Title V Regular Permit Minor Mod

### **UNF\_0001 - Entire Facility**

- Comply with the requirements of PSD-LA-591(M-1). This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-591.
- Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard.
- Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109.B.
- Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.
- Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A.
- Include a certification statement with the annual emission report and revisions to any emission report that attests that the information contained in the emission report is true, accurate, and complete, and that is signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official.
- Submit Annual Emissions Report (TEDI): Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.
- Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).
- Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:III.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3923.
- Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:III.3931.
- Submit notification in the manner provided in LAC 33:III.3923.
- Submit written report: Due by certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through B.3. Include the information specified in LAC 33:III.5107.B.4.i through B.4.a.viii.
- Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ along with the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.

## SPECIFIC REQUIREMENTS

AI ID: 19901 - Cabot Corp - Canal Plant  
Activity Number: PER20070006  
Permit Number: 2660-00004-V2  
Air - Title V Regular Permit Minor Mod

### UNF 0001 - Entire Facility

- 277 [LAC 33:III.5109.C] Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by DEQ.
- 278 [LAC 33:III.5113.A.1] Submit notification in writing: Due to SPOC not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up.
- 279 [LAC 33:III.5113.A.2] Submit notification in writing: Due to SPOC within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source.
- 280 [LAC 33:III.5151.F.1.f] An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity.
- 281 [LAC 33:III.5609.A.1.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert.
- 282 [LAC 33:III.5609.A.2.b] Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning.
- 283 [LAC 33:III.5609.A.3.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency.
- 284 [LAC 33:III.5609.A] Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7.
- 285 [LAC 33:III.919.D] Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.